MONTHLY PROGRESS REPORT THROUGH 31 MAY 1965

LIFE CYCLE TESTS

1. Status of Cycling Program: The cycling program has included cells from the following manufacturers: General Electric Company (G.E.), Gould-National Batteries, Inc. (Gould), Sonotone Corporation (Sonotone), Yardney Electric Corporation (Yardney), Gulton Industries, Inc. (Gulton) and Delco-Remy (Delco).

TOTAL NUMBER OF PACKS IN PROGRAM: 121

Cell Type	Total Number of Packs Cycled To Date	Still Cycling	Failed	Cells Failed* Since Last Report	Total To Date
NICKEL CADMIUM (10-cell packs)					
G.E. 3.0 a.h.	12	9	3	3	27
Gould 3.5 a.h.	12	5	7	2	54
Sonotone 5.0 a.h.	12	10	2	3	27
Gulton 6.0 a.h.	12	5	7	0	58
TOTAL	48	29	19	8	166
NICKEL CADMIUM (5-cell packs)					
G.E. 5.0 a.h. NIMBUS	3	3	0	0	0
G.E. 12 a.h.	13	10	3	2	12
Gulton 4.0 a.h.	6	6	0	0	0
Gulton 5.0 a.h. NIMBUS	3	3	0	0	0
Gulton 6.0 a.h.	1	1	0	0	2
Gulton 6.0 a.h. HSI	3	3	0	0	0
Gulton 6.0 a.h. 3rd Elect.	5	5	0	0	0
Gulton 12 a.h.	6	6	0	0	1
Gulton 20 a.h.	12	6	6	1	26
Gulton 50 a.h.	2	0	2	0	6
Gould 20 a.h.	12	6	6	0	19
TOTAL	66	49	17	3	66
SILVER CADMIUM (10-cell packs)					
Yardney 12 a.h.	3	1	2	0	16
TOTAL	3	1	2	0	16
SILVER ZINC (5-cell packs)					
Delco 25 a.h.	3	0	3	5	10
Delco 40 a.h.	1	0	1	0	2
TOTAL	4	0	4	0	12

*All failure analysis results are cumulative. These results are shown on pages 4 through 33.

2. Test Parameters:

a. Ambient Temperatures:

(1) 0° C.

(2) 25° C.

(3) 40° C.

b. Voltage limits per pack on charge:

(1) 1.55 ± 0.03 volts per cell at 0° C.

(2) 1.49 ± 0.03 volts per cell at 25° C.

(3) 1.45 ± 0.03 volts per cell at 40° C.

(4) 1.97 ± 0.03 volts per cell at 25° C. on the silver zinc packs.

c. Depth of Discharge:

(1) 90-minute and 3-hour orbits:

(a) 15 percent and 25 percent at 0° C.

(b) 25 percent and 40 percent at 25° C.

(c) 15 percent and 25 percent at 40° C.

(2) 24-hour orbits:

(a) 50 percent at 0° C, 25° C and 40° C.

(b) 40 percent at 25° C on the silver zinc packs.

d. Orbit Times:

(1) 90 minutes--30-minute-discharge and 60-minute charge.

(2) 3 hours--30-minute discharge and 150-minute charge.

(3) 24 hours--1-hour discharge and 23-hour charge.

3. Data:

a. Normal operation schedules complete data to be recorded on 90-minute and 3-hour packs every 32 cycles. On 24-hour cycles, complete data is taken every eight cycles.

b. The attached data sheets give end of discharge and end of charge voltage readings for each cell on each cycle recorded.

4. Capacity Tests:

a. Prior to cycling, each pack was given a capacity test at its respective cycling temperature. This check consisted of a c/10 charge for 16 hours followed by a c/2 discharge to 1.0 volt/cell average. After each 88 days of cycling, each pack was discharged at the c/2 rate to 1.0 volt/cell average following a charge at the cycle rate. The pack was then recharged at the c/10 rate for 16 hours and discharged at the c/2 rate to 1.0 volt/cell average. The pack was then recharged at the c/10 rate for 48 hours, voltage limited to the cycle limits. Data of capacity tests is tabulated on pages 34 through 39.

CELL TYPE: General Electric 3.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
16	40%	1.5	25°	427	7	3985	Low Volt Disch, Normal Volt Chg, Pos Tab Broken and Touching Case. Burned Tape on Tab Caused by Overheating From Poor Tab Weld.
			25°	58	6	4473	Low Volt Disch, Normal Volt Chg, Short on One Edge of Plates, Neg Plate Material Penetrated Separator.
			25°	361	1	4741	Low Volt Disch, Normal Volt Chg, Shorted, Separator Deteriorated, Neg Plate Material Penetrated Separator.
			25°	522	5	4917	Low Volt Disch, Low Volt Chg, Separator Impregnated with Neg Plate Material, Separator Deteriorated.
			25°	456	10	4917	Low Volt Disch, Low Volt Chg, Separator Impregnated with Neg Plate Material, Separator Deteriorated.
			25°	719	4	5013	Low Volt Disch, Low Volt Chg, Separator Impregnated with Neg Plate Material, Separator Deteriorated, Several Small Burned Areas on Separator.
39	15%	1.5	50°	541	2	779	Low Volt Disch, High Volt Chg, Leaked, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
			40°	540	6	2083	Low Volt Disch, High Volt Chg, Leaked, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
			40°	549	7	2523	Low Volt Disch, High Volt Chg, Pos Tab Burned.

CELL TYPE: General Electric 3.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
40	25%	1.5	40°	464	3	2073	Low Volt Disch, High Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
			40°	3131	8	2182	Low Volt Disch, Normal Volt Chg, Leaked, Loose Plate Material on Separator.
			40°	47	7	2182	Low Volt Disch, High Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned and Broken.
			40°	49	5	2446	Low Volt Disch, High Volt Chg, Pos Weld to Terminal Stud Burned, Poor Weld.
			40°	45	10	2461	Low Volt Disch, High Volt Chg, Loose Plate Material on Separator, Short at Outside End of Pos Plate.
			40°	466	2	2509	Low Volt Disch, High Volt Chg, Leaked, Pos Tab Burned and Shorted to Neg Tab.
			40°	441	6	2509	Low Volt Disch, High Volt Chg, Leaked, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
43	15%	3.0	40°	416	4	1182	Low Volt Disch, Low Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned.
			40°	499	3	1515	Low Volt Disch, High Volt Chg, Shorted at Top of Core, Separator Too Short, Pos Tab Burned and Broken.
			40°	412	6	1911	Showed Open Circuit at Start of Cycle, Pos Tab Broken, Burned Tape on Tab Caused by Overheating From Poor Tab Weld.
			40°	426	9	2298	Showed Open at Start of Cycle, Pos Tab Corroded, Pos Tab Broken, Top of Separator Burned, Separator Impregnated with Neg Plate Material, Separator Deteriorated.

CELL TYPE: General Electric 3.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
43	15%	3.0	40°	436	7	2515	Showed Open at Start of Cycle, Pos Tab Corroded, Pos Tab Broken, Poor Roll, Uneven Wind at End of Roll, Shorts at Top of Roll, Separator Deteriorated.
			40°	435	10	2656	Showed Open at Start of Cycle, Pos Tab Corroded, Pos Tab Broken, Separator Impregnated with Neg Plate Material, Separator Deteriorated.
44	25%	3.0	40°	222	6	1672	Showed Open Circuit at Start of Cycle, Pos Tab Broken, Burned Tape on Tab Caused By Overheating From Poor Tab Weld.

CELL TYPE: Gould 3.5 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
3	25%	1.5	25°	73	5	2785	Low Volt Disch, High Volt Chg, Short Near Center of Core, Piece of Pos Plate Material Between Plates Causing Short Through Separator.
			25°	54	2	3090	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.7 gm, Weak Weld on Neg Tab to Plate.
			25°	165	9	4081	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.7 gm, Deposit on Glass Seal, Short Through Separator, Short at Pos Tab Near Center of Core, Neg Tab Weld to Plate Weak.
			25°	93	6	4289	Low Volt Disch, Normal Volt Chg, Leaked Around Glass Seal, Lost 2.6 gm, Separator Deteriorated, Neg Plate Material Penetrated Separator.
			25°	97	7	4401	Low Volt Disch, Normal Volt Chg, Leaked Around Glass Seal, Lost 2.5 gm, Separator Deteriorated, Neg Plate Material Penetrated Separator.
			25°	77	4	4751	Low Volt Disch, Normal Volt Chg, Separator Deteriorated, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates.
			25°	188	10	4751	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.1 gm, Neg Plate Material on Separator.
4	40%	1.5	25°	81	7	1609	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.2 gm, High Pres Bulge Top.
			25°	90	8	1827	Low Volt Disch, Low Volt Chg, Leaked, Lost 2.7 gm, High Pres Bulge Top.
			25°	2	1	2110	Low Volt Disch, Low Volt Chg, Separator Deteriorated at Center of Core, Under Pressure When Opened.

CELL TYPE: Gould 3.5 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
4	40%	1.5	25°	43	6	2954	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.3 gm, Plate Material on Separator.
			25°	27	3	3029	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Separator Deteriorated.
			25°	198	10	3164	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.6 gm, Separator Deteriorated, Pos Plate Material Between Plates.
7	25%	3.0	25°	49	2	3007	Low Volt Disch, Normal Volt Chg, Leaked Around Glass Seal, Lost 2.7 gm, Neg Plate Material Migrated Through Separator, Separator Deteriorated, One Weak Weld Pos Tab to Plate.
			25°	37	1	3130	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.1 gm, Glass Seal Broken, Separator Very Dry, Neg Plate Material Migration, Pinpoint Penetration, Loose Neg Plate Material on Separator, Separator Deteriorated, All Tab Welds to Plates Weak.
			25°	109	6	3483	Low Volt Disch, Low Volt Chg, Leaked, Lost 2.0 gm, Deposit on Glass Seal, Separator Deteriorated, Pinpoint Penetration, Neg Plate Material on Separator, Weak Weld on One Tab to Pos Plate Weld.
			25°	104	5	*3736	Shorted on Cycling, Deposit on Glass Seal, Leaked, Lost 1.1 gm, Weak Weld Pos Tab to Plate, Neg Plate Material on Separator, Pinpoint Penetration, Separator Deteriorated.

* FAILED DURING THIS REPORTING PERIOD

CELL TYPE: Gould 3.5 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
8	40%	3.0	25°	68	6	1346	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.5 gm, Plate Material on Separator.
			25°	112	8	1704	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.0 gm, Pos Tab Weld to Bottom of Can Weak, Pos Tab Weld to Plate Weak.
			25°	39	1	1985	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Separator Deteriorated, Neg Plate Material on Separator.
			25°	170	10	1985	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.8 gm, Pos and Neg Tab Weld Weak to Plates Near Center of Core, Separator Deteriorated at Center of Core.
			25°	78	7	2138	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 1.4 gm, Pos Tab Weld to Case Weak, Separator Deteriorated, Neg Plate Material Penetrated Separator.
			25°	41	2	2494	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 1.7 gm, Separator Deteriorated, Neg Plate Material Impregnated Separator, One Bad Weld Neg Tab to Plate.
			25°	130	9	2494	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 2.1 gm, Separator Deteriorated, Pos and Neg Plate Material Impregnated Separator.

CELL TYPE: Gould 3.5 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
27	15%	1.5	40°	13	3	2901	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.5 gm, Separator Deteriorated, Pos Plate Material on Separator.
			40°	195	8	2901	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.6 gm, Short Through Separator, Separator Burned at Center of Core, Pos Plate Material on Separator.
			40°	103	7	2998	Low Volt Disch, Normal Volt Chg, High Pres, Short Through Separator, Pieces of Pos Plate Material Between Plates.
			40°	200	10	3270	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.5 gm, Short Through Separator, Separator Deteriorated at Center of Core, Pos Tab Weld to Case Weak.
			40°	197	9	4102	Low Volt Disch, High Volt Chg, Leaked Around Glass Seal, Lost 1.4 gm, Short at Pos Tab, Separator Deteriorated, Neg Plate Material Penetrated Separator.
			40°	11	2	4485	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Separator Deteriorated, Separator Impregnated with Neg Plate Material.

CELL TYPE: Gould 3.5 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
28	25%	1.5	50°	122	2	408	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.8 gm, Weak Bottom Weld Suspicious Spot but not Definite.
			40°	157	7	484	Low Volt Disch, Normal Volt Chg, Leaked, Lost 2.0 gm, High Pres Bulge.
			40°	158	8	484	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.9 gm, High Pres Bulge Top.
			40°	141	5	860	Low Volt Disch, High Volt Chg, Leaked, Lost 3.5 gm.
			40°	168	10	1293	Low Volt Disch, High Volt Chg, Weak Weld to Bottom of Case.
			40°	121	1	1811	Low Volt Disch, Low Volt Chg, Short at Outside End of Plates, Grid Wire Penetrated Separator.
			40°	133	3	1811	Low Volt Disch, High Volt Chg, Weak Weld on Pos Tab to Case.
			40°	140	4	1811	Low Volt Disch, Low Volt Chg, Short Around Pos Tab, Blistering on Pos Plate, Active Neg Plate Material on Separator.
			40°	155	6	1811	Low Volt Disch, Low Volt Chg, Short Through Separator, Weak Weld to Bottom of Case.
			40°	163	9	1811	Low Volt Disch, Low Volt Chg, Short Through Separator, Weak Weld to Bottom of Case, Deposit on Glass Seal.

CELL TYPE: Gould 3.5 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
31	15%	3.0	40°	R166	9	1500	Low Volt Disch, Low Volt Chg, Leaked, Lost 7.1 gm, Separator Deteriorated.
			40°	R179	10	1500	Low Volt Disch, Low Volt Chg, Leaked, Lost 1.5 gm, Short Through Separator, Separator Deteriorated, One Weak Tab.
			40°	R92	2	1696	Low Volt Disch, High Volt Chg, Pieces of Plate Material Shorted Through Separator, Separator Deteriorated.
			40°	126	3	2411	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 2.1 gm, Short Through Separator by Piece of Pos Plate Material Between Plates, Separator Deteriorated, Neg Plate Material Impregnated Separator, Tab to Plate Weld Poor.
			40°	R162	8	2477	Low Volt Disch, High Volt Chg, Leaked Around Glass Seal, Lost 2.4 gm, Separator Deteriorated, Neg Plate Material Impregnated Separator, Pinpoint Penetration, Poor Weld Pos Tab to Case.
			40°	72	1	2517	Low Volt Disch, Low Volt Chg, Leaked Around Glass Seal, Lost 1.8 gm, Short Between Plates, Extra Piece of Pos Plate Between Plates, Separator Deteriorated, Pos Tabs to Plate Weld Both Weak.
			40°	143	6	2517	Low Volt Disch, Low Volt Chg, Short Through Separator at Start of Core, Extra Piece of Pos Plate Material, Separator Impregnated with Neg Plate Material, Separator Deteriorated, Neg Tab Weld to Pigtail Weak, One Tab to Pos Plate Weld Weak, Still Under Pressure When Opened.

CELL TYPE: Gould 3.5 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
32	25%	3.0	40°	125	6	138	Low Volt Disch, Normal Volt Chg, Bottom Weld Weak, Greenish Corrosion Inside at Neg Lead.
			40°	65	3	495	Low Volt Disch, Normal Volt Chg, Leaked, Lost 1.5 gm, Bad Glass Seal Around Neg Terminal.
			40°	1	1	800	Low Volt Disch, Normal Volt Chg, Leaked, Lost 3.2 gm, Shorts Near Center of Core.
			40°	67	4	875	Low Volt Disch, Low Volt Chg, Leaked, Lost 2.2 gm, Short Around Tabs, Pos Tab Weld Weak to Case.
			40°	132	7	875	Failed During Shut Down to Move to Another Chamber, Leaked, Lost 4.4 gm, High Pres. Neg Tabs Pushed Out of Cell, Short at Center and Outside Edge of Core.
			40°	149	9	974	Low Volt Disch, High Volt Chg, Leaked, Lost 1.1 gm, Piece of Pos Plate Material Shorted Through Separator, Weak Welds to Case and Plates.
52	25%	1.5	0°	116	8	*7858	Low Volt Disch, Low Volt Chg, Still Under Pressure When Opened, Neg Plate Material on Separator, Excess Migration of Neg Plate Material, Separator Deteriorated.

CELL TYPE: Sonotone 5.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
1	25%	1.5	25°	4361	4	2995	Low Volt Disch, High Volt Chg, Inclusion on Surface of Outside Pos Plate Wore Hole Through Separator and Thin Outside Wrap, Separator Sticking to Neg Plate, Glass Seal Leaked.
			25°	4335	1	4423	Low Volt Disch, High Volt Chg, Neg Tabs Weak Weld to Plates, Separator Melted at Center of Core, Extreme Pressure Points on Separator From Scoring Causing High Resistance Shorts.
2	40%	1.5	25°	811	10	3155	Shorted on Cycling, Leaked Around Seal, High Pressure Bulge on Bottom, Insulators Brittle, Exposed Grid Wires at Center of Core Penetrated Separator Causing Large Burned Area at Short, Pos and Neg Tab Weld Poor.
			25°	3628	5	3992	Low Volt Disch, Normal Volt Chg, Leaked Around Seal, High Pres Bulge on Bottom, Hole in Separator Exposing Pos and Neg Plates, Neg Plate Material Penetrated Separator.
			25°	3613	2	4411	Low Volt Disch, Low Volt Chg, Two Pieces of Neg Plate Material Wore Hole in Separator at Scoring Mark, Burned Through Plates, Neg Tab Welds Poor, Separator Beginning to Deteriorate.
			25°	3630	6	5262	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Pos and Neg Plate Material on Separator, Separator Deteriorated, Neg Tab to Plate Welds Weak, Burn Marks on Separator at Tabs, High Pressure Bulge.

CELL TYPE: Sonotone 5.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
2	40%	1.5	25°	3631	7	5262	Low Volt Disch, Low Volt Chg, Uncoined Plate Edges Pierced Separator Causing Partial Shorts, Burn Marks Around Tab Areas, Weak Weld on All Tab to Plate Welds, Deep Pressure Points Caused by Scoring, Separator Torn at Start of Core Exposing Pos and Neg Plate, Separator Deteriorated, Neg Plate Material on Separator.

CELL TYPE: Sonotone 5.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
6	40%	3.0	25°	4324	8	1069	Low Volt Disch, Normal Volt Chg, Separator Impregnated With Active Material, Separator Sticking to Neg Plate.
			25°	6904	10	1136	Low Volt Disch, Low Volt Chg, Small Hole in Separator at Start of Coil, Pos Plate Edge Broken Allowing Grid Wire to Penetrate Separator.
			25°	3637	4	1161	Grid Wires of Pos Plate Penetrated Separator and Shorted to Neg Plate, Active Plate Material Penetrated Separator at Three Points, Bad Tab Welds.
25	15%	1.5	40°	4852	5	6348	Low Volt Disch, High Volt Chg, Separator Deteriorated, Large Burned Area at Center of Core, Pinpoint Penetration, Deep Scoring Caused Hole in Separator, Partial Shorts Around Edge of Plates Deep Pressure Points Caused by Scoring.
26	25%	1.5	40°	4323	1	2487	Grid Wire Penetrated Separator at Tabs.
			40°	6773	9	2902	Shorted on Cycling, Slight Burn Adjacent to Neg Tab, Separator Deteriorated, Neg Plate Material Penetrated Separator, Tab Welds Weak.
			40°	7224	6	2993	Low Volt Disch, Normal Volt Chg, High Pres Bulge, Deposit Around Seal, Neg Tab Weld Weak, Neg Plate Material Penetrated Separator.
			40°	7232	7	2993	Low Volt Disch, Normal Volt Chg, High Pres Bulge, Deposit Around Seal, Pos Tab Weld Weak, Plate Broken at Pos Tab, Deep Pressure Points From Scoring, Separator Completely Deteriorated.
			40°	4881	3	3344	Shorted on Cycling, Complete Short From Deep Scoring, Plate Shorted Through Outer Wrap.
			40°	4240	4	3625	Low Volt Disch, Low Volt Chg, Separator Deteriorated, Plate Material Penetrated Separator.

CELL TYPE: Sonotone 5.0 Ampere Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
29	15%	3.0	40°	3626	1	1418	Shorted on Cycling, Neg.Tab Welds Poor, Active Plate Material Penetrated Separator at Scoring Marks.
30	25%	3.0	40°	3657	7	855	Hole in Separator Allowing Pos Plate to Hit Case, Separator Damaged at Center of Cell Allowing Pos and Neg Plate to Short Together.
			40°	3643	4	3068	Low Volt Disch, Low Volt Chg, Separator Completely Deteriorated, Neg Tab to Plate Welds Weak, Burn Spots Around Tabs, Deep Scoring Caused Burn Spots on Separator.
			40°	809	9	3068	Low Volt Disch, Low Volt Chg, Deposit Around Glass Seal, Burn Spots Around Edge of Separator Caused By Uncoined Edge of Plates, Deep Scoring Caused Burn Spots on Separator, Burn Spots Around Tab Areas, Separator Deteriorated.
49	15%	1.5	0°	6887	9	2010	Low Volt Disch, Low Volt Chg, Burn on Separator Opposite Pos Tab.

CELL TYPE: Gulton 6.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
13	25%	1.5	25°	2305	1	308	Low Volt Disch, High Volt Chg, Lost 12 gm, CO_3 Top Ceramic, High Pres Bulge.
			25°	2355	10	502	Low Volt Disch, High Volt Chg, Lost 10 gm, High Pres Bulge.
			25°	3134	5	2969	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates.
			25°	3211	7	3084	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates.
			25°	2613	4	3598	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plate, Separator Deteriorated.
			25°	2324	2	4021	Low Volt Disch, Low Volt Chg, Ceramic Short, Separator Deteriorated, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge.
14	40%	1.5	25°	1623	4	262	Low Volt Disch, High Volt Chg, Lost 12 gm, High Pres Bulge.
			25°	1635	5	262	Voltage Fell Off During Charge, Went Flat in 3 Min. on Disch, Lost 6 gm, Concave Wall, High Pres. Bulge, Ceramic Broken Inside Case, CO_3 on Outside of Ceramic, Pos Terminal Loose.
			25°	2356	1	450	Low Volt Disch, High Volt Chg, Lost 12 gm, High Pres.
			25°	2387	2	1113	Low Volt Disch, High Volt Chg, Ceramic Short.
			25°	2391	3	1618	Low Volt Disch, Low Volt Chg, Ceramic Short.
			25°	3208	7	2086	Low Volt Disch, Normal Volt Chg, Ceramic Short.

CELL TYPE: Gulton 6.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
17	25%	3.0	25°	1862	5	721	Low Volt Disch, High Volt Chg, Ceramic Short.
			25°	1823	3	721	Low Volt Disch, High Volt Chg, High Pres Bulge, Burnt Spot on Neg Plate Near Bottom Second From End, Ceramic Short.
			25°	2348	10	1688	Low Volt Disch, Low Volt Chg, Ceramic Short.
			25°	1757	1	2375	Low Volt Disch, Low Volt Chg, Ceramic Short, Deposit Around Ceramic Seal, High Pres Bulge.
			25°	1598	2	2449	Low Volt Disch, Low Volt Chg, Pinpoint Penetration of Separator, Blistering on Pos Plate, High Pres Bulge.
			25°	2347	9	2885	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates, High Pressure Bulge, Still Under Pressure When Opened.
18	40%	3.0	25°	1826	6	365	Low Volt Disch, Chg Volt Normal, Lost 3 gm, Concave Wall, Ceramic Short.
			25°	1615	3	608	Low Volt Disch, Normal Volt Chg, Deposit on Top of Pos Terminal, Lost 5.1 gm, High Pres Bulge.
			25°	1827	7	643	Low Volt Disch, High Volt Chg, High Pres Bulge, Ceramic Short.
			25°	2228	9	643	Low Volt Disch, High Volt Chg, Ceramic Short.
			25°	1562	5	1145	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates.
			25°	1233	1	1550	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plate, Neg Plate Material on Separator.

CELL TYPE: Gulton 6.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
37	15%	1.5	50°	1764	3	238	Low Volt Disch, Volt Did Not Increase on Following Chg, (1.00 V) Lost 4 gm, Ceramic Short.
			40°	1784	8	1566	Low Volt Disch, Low Volt Chg, Lost 10.5 gm, Ceramic Short.
			40°	1802	4	2819	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plate.
			40°	2333	10	2981	Low Volt Disch, Normal Volt Chg, Ceramic Short, Blistering on Pos Plates.
			40°	1769	7	4897	Low Volt Disch, Normal Volt Chg, Ceramic Short, Leaked, Lost 1 gm, Blistering on Pos Plate, Separator Deteriorated.
			40°	1814	6	6064	Low Volt Disch, High Volt Chg, Deposit on Pos Terminal, Separator Deteriorated, Neg Plate Material on Separator, Blistering on Pos Plates, Ceramic Short.
38	25%	1.5	50°	1454	8	37	No Volt on Chg or Disch, Ceramic Short.
			50°	1815	6	114	Volt Fell Off During Disch, Chg Volt Slighely Low, Lost 3.5 gm, Ceramic Short.
			40°	1853	9	187	Rev on Disch, Chg Volt Normal, Lost 4 gm, Deposits Around Pos Terminal (Outside), Ceramic Short.
			40°	1627	3	225	Low Volt Disch, High Volt Chg on Cycle 219, Dead on 225, Lost 3.5 gm.
			40°	2405	5	1333	Low Volt Disch, Normal Volt Chg, Pos Bus Shorted to Case.
			40°	1626	2	1377	Low Volt Disch, Low Volt Chg, High Pres Bulge, Ceramic Short.

CELL TYPE: Gulton 6.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
41	15%	3.0	40°	1771	9	649	Low Volt Disch, High Volt Chg, Ceramic Short.
			40°	1801	6	1062	Low Volt Disch, Normal Volt Chg, Ceramic Short.
			40°	3135	2	1132	Low Volt Disch, Normal Volt Chg, Ceramic Short.
			40°	1852	7	1157	Low Volt Disch, Normal Volt Chg, Ceramic Short, Blistering on Pos Plates.
			40°	2221	8	1157	Low Volt Disch, Normal Volt Chg, Ceramic Short.
			40°	1632	3	1689	Low Volt Disch, Normal Volt Chg, Ceramic Short, Blistering on Pos Plates.
42	25%	3.0	50°	2309	8	96	Low Volt Disch, Normal Volt Chg, Ceramic Short.
			40°	2346	7	382	Low Volt Disch, Low Volt Chg, CO_3 on Bottom of Case, Ceramic Short.
			40°	2306	9	416	Low Volt Disch, High Volt Chg, Ceramic Short.
			40°	918	1	484	Low Volt Disch, Low Volt Chg, High Pres Bulge, Deposit on Bottom of Case, Ceramic Short, Lost 3.1 gm.

CELL TYPE: Gulton 6.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
61	15%	1.5	0°	1622	2	1	Volt Between 0.25 and 0.3 V Throughout Cycle, Side Concave, Burnt Case, End Neg Pushed Into Pos Tab. Cell Replaced in Pack Due to Early Failure.
			0°	1845	8	6	Lost 5 gm, Leak at Weld on Bottom, High Pres Bulge, Cell Replaced in Pack Due to Early Failure.
			0°	2397	5	2762	Low Volt Disch, Low Volt Chg, Ceramic Short.
			0°	1825	4	4094	Low Volt Disch, Low Volt Chg, Ceramic Short, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge.
			0°	2311	10	4285	Low Volt Disch, Low Volt Chg, Ceramic Short, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge.
			0°	2400	6	4413	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates, High Pres Bulge.
62	25%	1.5	0°	1630	10	2995	Low Volt Disch, High Volt Chg, Leaked, Lost 6.8 gm, Ceramic Seal Broke, Deposit on Inside of Ceramic, High Pres Bulge, Blistering on Pos Plates.
			0°	1792	4	4066	Low Volt Disch, Low Volt Chg, Small Shorts Through Separator Near Pos Tab, Blistering on Pos Plate, Separator Deteriorated.
			0°	1806	5	4441	Low Volt Disch, Low Volt Chg, Ceramic Short, Blistering on Pos Plates, High Pres Bulge.

CELL TYPE: Gulton 6.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
66	25%	3.0	0°	1794	6	1045	Low Volt Disch, High Volt Chg, High Pres Bulge, Concave Side, Ceramic Broken, No Seal, Lost 5.1 gm, Pos Bus Against Case.
			0°	1843	8	1173	Low Volt Disch, Low Volt Chg, Wall Concave, Ceramic Short.
			0°	1781	5	1237	Low Volt Disch, High Volt Chg, High Pres Bulge, Deposit Around Pos Terminal, Ceramic Broken on Pos Terminal, Blisters on Pos Plate, Burnt Spot on Separator at Blisters, Lost 1.3 gm.
			0°	1634	3	1417	Low Volt Disch, Normal Volt Chg, Ceramic Short, High Pres Bulge, One Side Concave Other Convex, Pos Plates Blistered, Lost 2.3 gm.
			0°	1823	7	2122	Low Volt Disch, Low Volt Chg, Leaked, Lost 7.8 gm, Separator Impregnated with Neg Plate Material, Blistering on Pos Plates, High Pres Bulge, One Side Concave.

CELL TYPE: General Electric 12.0 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
93	50%	24.0	40°	204	1	266	Cell Lost Capacity on Cycling But Came Back When Removed From Pack, So It Was Put Back on Cycling in Same Pack.
			40°	208	2	266	Low Volt Disch, Normal Volt Chg, Was Opened Up But Did Not Show Anything to be Wrong With Cell, Failure Due to Loss of Capacity.
96	40%	1.5	25°	445	3	3822	Low Volt Disch, Low Volt Chg, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator.
			25°	446	2	4020	Low Volt Disch, Low Volt Chg, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator.
			25°	442	4	4020	Low Volt Disch, Low Volt Chg, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator.
99	25%	1.5	40°	429	3	3841	Shorted on Cycling, Separator Penetrated by Neg Plate Material, Pinpoint Shorts Through Separator, Leaked at Neg Terminal, Epoxy Lifted Up.
			40°	432	2	3841	Failed During Shut Down of Pack, Separator Deteriorated, Separator Impregnated with Neg Plate Material.
			40°	440	1	4853	Low Volt Disch, Low Volt Chg, Separator Deteriorated, Separator Impregnated with Neg Plate Material.
124	25%	1.5	0°	410	5	3037	Cell Lost Capacity on Cycling But Came Back When Removed From Pack, So It Was Put Back On Cycling In Same Pack.

CELL TYPE: Gulton 20 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
73	25%	1.5	25°	396	3	1776	Low Volt Disch, Normal Volt Chg, Concave Side, Neg Ceramic Seal Broken, Lost 23.7 gm.
			25°	387	1	6120	Low Volt Disch, Low Volt Chg, Lost 13.2 gm, Separator Completely Deteriorated, Neg Plate Material Migration, Pinpoint Penetration, Blistering on Pos Plates, High Pressure Bulge.
74	25%	3.0	25°	458	4	1184	Low Volt Disch, Low Volt Chg, Leaked, Lost 14.2 gm, Blistering on Pos Plates.
			25°	419	3	1302	Low Volt Disch, Normal Volt Chg, Leaked, Lost 21.9 gm.
			25°	440	2	1754	Low Volt Disch, Normal Volt Chg, Leaked Around Both Terminals, Ceramic Broken on Neg Terminal, Lost 18.0 gm, Neg Plate Material Penetrated Separator, Sides Concaved, Shorting Case to Bus.
87	40%	1.5	25°	468	1	163	Low Volt Disch, High Volt Chg, High Pres Bulge, Lost 8 gm.
			25°	388	2	208	Low Volt Disch, High Volt Chg, Lost 26.7 gm, Ceramic Short Around Pos Terminal.
			25°	394	3	627	Low Volt Disch, High Volt Chg, Lost 16.4 gm, High Pres Bulge, Deposit on Both Terminals, Ceramic Short Neg to Case.
			25°	454	4	627	Low Volt Disch, Low Volt Chg, Lost 21.6 gm, Deposit on Both Terminals, Sides Concave Hit Bus on Both Sides.
			25°	386	5	627	Low Volt Disch, Low Volt Chg, Lost 18.1 gm, High Pres Bulge, Burnt Separator 5th or 6th Neg Plate Near Top, Ceramic Short.

CELL TYPE: Gulton 20 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
88	40%	3.0	25°	422	2	151	Low Volt Disch, High Volt Chg, High Pres Bulge, Bottom Ceramic Leak, Lost 25 gm.
			25°	404	1	151	Low Volt Disch, High Volt Chg, High Pres Bulge, Bottom Ceramic Leak, Lost 25 gm.
			25°	466	3	358	Low Volt Disch, High Volt Chg, High Pres Bulge, Lost 16.4 gm.
			25°	429	5	358	Low Volt Disch, Low Volt Chg, Ceramic Short Around Pos Terminal.
90	25%	1.5	40°	452	4	2824	Low Volt Disch, Low Volt Chg, Short Through Separator at Top of Plates, High Pres Bulge on Sides, High Pres, Separator Deteriorated.
			40°	457	5	2824	Low Volt Disch, Normal Volt Chg, Short Through Separator, Blistering on Pos Plate, High Pres Bulge on Sides, High Pres.
			40°	378	3	4045	Normal Volt Disch, Went Dead on Chg During Cap Check, Ceramic Short, Separator Completely Deteriorated.
91	25%	3.0	40°	395	4	2862	Shorted Out Following Capacity Check, Leaked, Lost 6.8 gm, Deposit on Both Terminals, Both Ceramic Seals Broker, Separator Completely Deteriorated, Neg Plate Material Migration, Separator Very Wet, Plastic Wrap Burned, Ceramic Short.
			40°	412	3	*3385	Shorted on Cycling, High Pressure Bulge, Pos and Neg Plate Material on Separator, Separator Completely Deteriorated.
101	15%	1.5	0°	435	2	3111	Low Volt Disch, High Volt Chg, Leaked, Lost 24.6 gm, High Pres Bulge, Separator Very Dry.
			0°	407	5	3111	Low Volt Disch, High Volt Chg, Leaked, Lost 20.4 gm, Separator Very Dry.
			0°	438	4	3629	Low Volt Disch, High Volt Chg, Leaked, Lost 13.2 gm, High Pres Bulge, Sides Concave, Blistering on Pos Plates.

CELL TYPE: Gulton 20 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
102	15%	3.0	0°	449	2	135	Volt Fell Suddenly at End of Chg, Burn Spots at Busses, Concave Around Spots, End Neg Pushed Into Pos Tab.
115	25%	1.5	0°	490	3	2107	Low Volt Disch, Normal Volt Chg, Walls Concave, Busses Shorted to Case, Lost 26.9 gm.
			0°	508	2	2203	High Pres Bulge, Blisters on Pos Plate, Busses Shorted to Case.
			0°	467	4	2291	Black Deposit on Outside on Neg Terminal, High Pres Bulge, Busses Shorted to Case, Blisters on Pos Plate, Burnt Spot on Separator.

CELL TYPE: Gould 20 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
98	25%	1.5	0°	77	5	3556	Low Volt Disch, Low Volt Chg, Separator Deteriorated, Neg Plate Material Penetrated Separator, Two Pos Plates Not Welded to Tabs.
104	25%	1.5	25°	69	1	2672	Low Volt Disch, Low Volt Chg, Shorted at Bottom of Pos Plate, Pos Grid Wire Penetrated Separator, Short at Top Between Pos Grid and Neg Tab, High Pressure.
			25°	R36	5	2826	Low Volt Disch, Low Volt Chg, Short Between Plates, Grid Wire Penetrated Separator, Pos Plate Material Between Plates, High Pressure.
			25°	5	3	2980	Low Volt Disch, Low Volt Chg, Separator Completely Deteriorated, Short Between Plates, High Pressure.
112	15%	1.5	40°	17	1	5005	Low Volt Disch, Low Volt Chg, Short Between Plates, Short About One Inch From Bottom of Plates, Separator Completely Deteriorated, High Pressure.
			40°	25	2	5005	Low Volt Disch, Low Volt Chg, Shorted Through Separator, Shorted on Bottom Corner of Plates, Separator Completely Deteriorated, High Pressure.
			40°	38	5	5213	Low Volt Disch, Low Volt Chg, Short at Top Corner of Plate Where Pos Tabs are Connected to Plates, Separator Deteriorated Allowing Plates to Come Together, Blistering on Pos Plates.
118	40%	1.5	25°	61	2	1747	Low Volt Disch, Low Volt Chg, Short at Bottom of Pos Plate, Grid Wires Penetrated Separator Where Tape Holds Plates Together, High Pressure.
			25°	R91	4	1963	Low Volt Disch, Low Volt Chg, Shorted at Bottom Corner of Pos Plates, Grid Wires Through Separator, Rough Grid Showing Through at Top and Bottom of Most Plates, High Pressure.
			25°	92	5	2937	Low Volt Disch, Low Volt Chg, Short Through Separator on Side of Plates, Pos Plate Material Penetrated Separator, High Pressure.

CELL TYPE: Gould 20 Amp-re-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
119	40%	3.0	25°	73	5	222	Normal Volt Disch, Low Volt Chg, Short Near Bottom of 5th or 6th Pos, No Obvious Cause.
			25°	80	2	1793	Low Volt Disch, Normal Volt Chg, Neg Plate Material Penetrated Separator, High Pressure, Blistering on Pos Plate.
			25°	86	3	1793	Low Volt Disch, Normal Volt Chg, Neg Plate Material Penetrated Separator, High Pressure, Blistering on Pos Plate.
122	25%	3.0	40°	16	2	801	Low Volt Disch, Low Volt Chg, Blistering on Pos Plates, Separator Deteriorated, Plate Material on Both Sides of Separator, High Pressure.
			40°	58	3	801	Low Volt Disch, Low Volt Chg, Blistering on Pos Plates, Separator Deteriorated, Plate Material on Both Sides of Separator, High Pressure.
			40°	18	5	983	Low Volt Disch, Low Volt Chg, Plate Material Penetrated Separator, Pos Plates Blistered, High Pressure.
126	25%	1.5	40°	9	3	1273	Low Volt Disch, Low Volt Chg, Shorted at Bottom Corner of Neg Plate, Grid Wire Penetrated Separator, Several Other Plates Had Grid Wires Sticking Out, High Pressure.
			40°	R29	4	1509	Low Volt Disch, Low Volt Chg, Shorted at Bottom Corner of Pos Plate, Grid Wire Penetrated Separator, Blistering on Pos Plates, Separator Deteriorated, High Pressure.
			40°	11	5	1569	Low Volt Disch, Low Volt Chg, Shorted on Side of Pos Plate, Grid Wire Penetrated Separator, High Pressure.

CELL TYPE: Gulton 50 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
95	25%	1.5	0°	109	3	2643	Shorted Out While Cycling, All Plates Shorted at Bottom Center, Separator Very Dry and Stiff From Heat, Blistering on Pos Plate.
			0°	107	5	2938	Shorted Out While Cycling, Short Between Plates at Center Near Bottom of Plates, Separator Dry, Small Amount of Neg Plate Material Migration on Separator.
			0°	115	1	3227	Low Volt Disch, High Volt Chg, Separator Impregnated with Neg Plate Material, Large Blisters on Pos Plate, One Neg Plate Stuck to Can.
123	15%	1.5	40°	119	2	1873	Low Volt Disch, Low Volt Chg, Separator Decomposed, Hot Spots Through Separator Shorted Out Several Plates, High Pres Bulge, Still Under Pressure When Opened.
			40°	118	3	1873	Went Dead During Shutdown, Separator Decomposed, Several Small Hot Spots on Each Plate, Outside Neg Plates Stuck to Case, High Pres Bulge, Deposit Around Ceramic Seal of Pos Terminal.
			40°	117	4	1873	Went Dead During Shutdown, Separator Decomposed, Neg Plate Stuck to Case, High Pres Bulge, Still Under Pressure When Opened.

CELL TYPE: Yardney 10 x YS-12

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
33	50%	24	40°		3	58	Leaked, Dried Out
			40°		2	126	Leaked, Dried Out
			40°		1	152	Leaked, Dried Out
			40°		8	197	Leaked, Dried Out
			40°		4	210	Leaked, Dried Out
			40°		10	210	Leaked, Dried Out
57	50%	24	0°		1	162	Leaked, Electrolyte Shorted Out Cell
			0°		2	162	Leaked, Electrolyte Shorted Out Cell
			0°		10	162	Leaked, Electrolyte Shorted Out Cell
			0°		3	166	Leaked, Electrolyte Shorted Out Cell
			0°		4	166	Leaked, Electrolyte Shorted Out Cell
			0°		5	166	Leaked, Electrolyte Shorted Out Cell
			0°		6	166	Leaked, Electrolyte Shorted Out Cell
			0°		7	166	Leaked, Electrolyte Shorted Out Cell
			0°		8	166	Leaked, Electrolyte Shorted Out Cell
			0°		9	166	Leaked, Electrolyte Shorted Out Cell

CELL TYPE: Delco 25 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
75	40%	24	25°			32	Cell Blew-up, Pack Returned to Manufacturer
89	40%	24	25°			80	Returned to Manufacturer for Analysis.
298	40%	3.0	25°			120	Returned to Manufacturer for Analysis.

CELL TYPE: Delco 40 Ampere-Hour

FAILURE ANALYSIS	PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN X	CYCLES COMPLETED
Returned to Manufacturer for Analysis.	275	25%	24	25°			139

AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES

TYPE	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE °C	PRECONDITIONING INITIAL	PRECONDITIONING * (See Note)	CAPACITY CHECKS AFTER 88-DAY INTERVALS FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	CYCLES TO PACK FAILURE
G.E. 3 A.H.	63	1.5	15	0	3.48		3.18	3.12	3.05	3.03	3.05				
	64		25	0	3.50		3.33	3.70	3.30	3.35	3.42				
	15		25	25	4.00		3.38	2.93	2.33	1.95	1.47				
	16		40	25	4.[illegible]		2.75	2.10	1.35						5013
	39		15	50/40	1.65	2.42 ([illegible])	2.10	1.53	1.25	1.17	0.70				
	40		25	50/40	1.80	2.50 ([illegible])	0.88**	0.88							2569
G.E. 3 A.H.	67	3	15	0	3.67		[illegible]	3.40	3.53	[illegible]	3.25				
	68		25	0	[illegible]		[illegible]	3.53	[illegible]	[illegible]	3.25				
	19		25	25	[illegible]		3.78	2.48	3.15	3.00	2.78				
	20		40	25	[illegible]		3.00	2.35	2.07	[illegible]	2.00				
	43		15	50/40	[illegible]	[illegible]	[illegible]	1.61	[illegible]						[illegible]
	44		25	50/40	[illegible]	[illegible]	1.35	1.19	1.15	1.10	0.95				
Gould 3.5 A.H.	51	1.5	15	0	[illegible]		[illegible]	3.33	[illegible]	[illegible]	3.35				
	52		25	0	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	3.24				
	3		25	25	[illegible]		[illegible]	[illegible]	[illegible]						
	4		40	25	[illegible]		[illegible]	[illegible]							[illegible]
	27		15	50/40	1.52	2.63 ([illegible])	2.07	1.95	[illegible]						
	28		25	50/40	1.55	2.07 ([illegible])	2.86								[illegible]
Gould 3.5 A.H.	55	3	15	0	3.27		3.59	3.15	3.38	3.33	3.27				
	56		25	0	3.50		3.91	3.53	3.65	3.41	3.38				
	7		25	25	4.32		4.03	3.79	3.53	2.77	2.28				
	8		40	25	4.29		3.65	3.35	3.03						3464
	31		15	50/40	1.60	1.31 (329)	1.75	1.98	2.16						3524
	32		25	50/40	1.55	1.16 (495)	1.49								975

* Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.

** Still at 50° C.

AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES

TYPE	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE °C	PRECONDITIONING		CAPACITY CHECKS AFTER 88-DAY INTERVALS								CYCLES TO PACK FAILURE
					INITIAL	* (See Note)	FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	
Sonotone 5 A.H.	49	1.5	15	0	5.45		5.54	5.50	4.96	4.79	4.71				
	50		25	0	5.04		4.96	4.58	4.25	3.79	3.67				
	1		25	25	5.42		3.67	2.33	2.88	2.79	2.21				
	2		40	25	6.42		4.38	4.17	3.25	3.00	----	----	----	----	6671
	25		15	50/40	3.08	3.63 (703)	2.25	1.83	2.04	1.17	1.17				
	26		25	50/40	3.17	3.17 (445)	2.75	2.93	----	----	----	----	----	----	3625
Sonotone 5 A.H.	53	3	15	0	5.67		5.79	5.67	5.42	5.33	5.50				
	54		25	0	4.92		3.96	3.96	4.13	3.96	3.75				
	5		25	25	5.71		4.58	3.04	2.04	2.13	2.13				
	6		40	25	5.83		4.50	3.29	3.25	2.92	2.33				
	29		15	50/40	3.33	4.92 (223)	2.75	2.38	2.42	2.08	1.96				
	30		25	50/40	3.75	3.50 (193)	1.88	2.88	2.38	1.67	1.21				
Gulton 6 A.H.	61	1.5	15	0	5.00		5.10	5.40	4.45	3.15	2.60				
	62		25	0	5.00		4.75	3.80	4.35	3.55	3.30				
	13		25	25	5.80		2.95	2.85	2.70	----	----	----	----	----	4021
	14		40	25	6.40		3.45	----	----	----	----	----	----	----	2086
	37		15	50/40	2.75	3.60 (239)	1.70	2.95	1.85	2.00	----	----	----	----	6064
	38		25	50/40	2.65	2.90 (114)	1.55	----	----	----	----	----	----	----	1377
Gulton 6 A.H.	65	3	15	0	4.50		5.45	5.35	5.15	4.50	4.50				
	66		25	0	4.25		5.00	3.50	2.50	3.80	3.90				
	17		25	25	5.80		3.65	3.45	2.50	2.30	----	----	----	----	2885
	18		40	25	4.55		4.95	3.16	----	----	----	----	----	----	1550
	41		15	50/40	2.75	4.55 (239)	2.05	1.63	----	----	----	----	----	----	1689
	42		25	50/40	2.60	3.80 (96)	2.15	2.10	2.35	1.85	1.50				

* Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.

AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES

TYPE	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE °C	PRECONDITIONING			CAPACITY CHECKS AFTER 88-DAY INTERVALS								CYCLES TO PACK FAILURE
					INITIAL	* (See Note)		FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	
G.E. 12 A.H.	110	1.5	15	0	13.9			12.7	10.4	13.0	12.5	14.1				
	124		25	0	14.2			13.5	12.9	12.8	11.4	11.5				
	82		25	25	15.2			8.00	5.55	5.30	5.40	5.70				
	96		40	25	14.8			6.00	7.65	----	----	----	----	----	----	4020
	85		15	50/40	6.80	8.30	(33*)	5.00	4.70	5.00	4.90	5.00				
	99		25	50/40	6.90	6.00	(195)	4.90	5.20	4.40	----	----	----	----	----	4853
G.E. 12 A.H.	111	3	15	0	14.2			13.2	10.7	11.0	12.1	12.9				
	125		25	0	14.6			13.0	12.1	11.9	12.2	12.9				
	83		25	25	15.2			11.7	8.20	6.13	5.30	4.80				
	97		40	25	14.9			5.60	5.86	7.90	8.20	6.80				
	86		15	50/40	7.10	8.20	(205)	6.30	3.70	4.00	3.50	2.90				
	100		25	50/40	7.10	9.80	(70)	3.80	4.70	5.70	5.10					
Gould 20 A.H.	84	1.5	15	0	22.5			22.7	26.5	24.2	24.7	21.7				
	98		25	0	23.1			21.2	15.2	18.7	17.2	17.5				
	104		25	25	25.0			18.5	14.0	----	----	----	----	----	----	2980
	118		40	25	24.7			23.3	----	----	----	----	----	----	----	2937
	112		15	50/40	9.67	6.83	(183)	15.7	15.3	12.5	12.4	----	----	----	----	5213
	126		25	50/40	9.00	13.9	(1326)	15.2	----	----	----	----	----	----	----	1574
Gould 20 A.H.	80	3	15	0	23.0			23.2	21.5	20.3	25.8					
	94		25	0	23.0			17.5	25.0	18.2	18.8	16.8				
	105		25	25	23.3			23.5	22.2	21.3	21.2	20.7				
	119		40	25	24.8			24.7	21.7	----	----	----	----	----	----	1793
	108		15	50/40	9.50	9.67	(47)	11.8	14.8	16.8	15.2					
	122		25	50/40	9.33	7.50	(756)	8.17**	----	----	----	----	----	----	----	983

* Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.

** Still at 50° C.

AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES

TYPE	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE °C	PRECONDITIONING			CAPACITY CHECKS AFTER 88-DAY INTERVALS								CYCLES TO PACK FAILURE
					INITIAL	* (See Note)		FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	
Gulton 20 A.H.	101	1.5	15	0	17.2			12.5	5.67							3631
	115		25	0	17.7			11.2								2283
	73		25	25	23.3			7.17	9.50	7.83	8.67	8.83				627
	87		40	25	23.3											
	76		15	50/40	10.3	13.8	(172)	6.50	4.83	5.50	4.67	5.00				
	90		25	50/40	9.00	11.3	(65)	6.00	10.3	7.33**						4045
Gulton 20 A.H.	102	3	15	0	16.7			19.8	25.2	20.3	19.5	17.3				
	116		25	0	21.7			20.7	21.8	19.3	17.5	15.2				
	74		25	25	20.3			6.17	7.17							1754
	88		40	25	19.8											358
	77		15	50/40	9.50	12.7	(71)	7.33	5.33	4.83	5.33	4.67				
	91		25	50/40	9.17	10.3	(47)	6.67	6.67	7.67	6.83	7.17				
Yardney 12 A.H.	57	24	50	0	13.8			8.60								166
	33		50	40	13.5			12.0								210
Gulton 6 A.H.	79	24	50	25	6.60			3.55	4.40	4.25						
									(40°C)	(40°C)						
G.E. 12 A.H.	93	24	50	40***	13.0			7.60	6.50	5.00						349
Gulton 50 A.H.	95	1.5	25	0	59.6			59.6	45.4							3237

* Preconditioning at change to 40° C. Number of cycles completed at 50° C is in parentheses.
** Two cells only; pack failed during capacity check.
*** Changed from 25° to 40° C ambient after 173 cycles.

AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES

TYPE	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE °C	INITIAL PRECONDITIONING	CAPACITY CHECKS AFTER 88-DAY INTERVALS										CYCLES TO PACK FAILURE
						FIRST 86 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	NINTH 88 DAYS	TENTH 88 DAYS	
Gulton (Comm.) 4 A.H.	315	1.5	15	0	5.04	3.57	4.03	4.08								
	326		25	0	4.87	4.00	3.87	3.73								
	204		25	25	4.63	2.47	2.07	1.83								
	214		40	25	5.00	2.00	2.07	1.87								
	228		15	40	4.20	1.77	1.67	1.47								
	240		25	40	3.37	1.17	1.13	1.30								
Gulton 12 A.H.	216	1.5	15	0	14.0	14.0										
	301		25	0	14.2	14.5										
	227		25	25	14.1	5.90										
	296		40	25	13.3	4.70										
	78		15	40	6.80	4.30										
	290		25	40	11.9	5.40										
Gulton (HSI) 6 A.H.	213	1.5	25	0	7.30	7.30										
	218		40	25	6.90	3.00										
	238		25	40	5.00	1.75										
Yardney (AgZn)	9	24	42	25	14.0											

AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES

	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE °C	CAPACITY CHECKS AFTER 88-DAY INTERVALS										CYCLES TO PACK FAILURE
					INITIAL PRECONDITIONING	FIRST 88 DAYS	SECOND 88 DAYS	THIRD 88 DAYS	FOURTH 88 DAYS	FIFTH 88 DAYS	SIXTH 88 DAYS	SEVENTH 88 DAYS	EIGHTH 88 DAYS	NINTH 88 DAYS	TENTH 88 DAYS	
Gulton (Nimbus) 5 A.H.	117	1.5	15	0	5.00											
	121		25	0												
	120		15	25	5.25											
	318		25	25												
	127		15	40	3.29											
	128		25	40												
Gulton 6 A.H. (Third electrode)	52	1.5	25	0	7.15											
	71		40	0	7.25											
	11		25	25	7.10	3.15										
	23		40	25	5.95	3.85										
	35		15	40												
	47		25	40												
G.E. (Nimbus) 5 A.H.	103	1.5	15	0	5.42											
	107		25	0												
	106		15	25	4.67											
	304		25	25												
	113		15	25	3.67											
	114		25	40												

MFR.	CAPACITY A. H.	PACK NO.	TEMP. °C.	ORBIT PERIOD (HRS) DISCHARGE	CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYCLES COVERED INITIAL	FINAL	DIFFERENCE	CELLS REMAINING IN PACK INITIAL	FINAL
G.E. (pages 47-55)	3	63	0	0.5	1.0	15	115	1.55	7864	[illegible]	[illegible]	10	10
		64	0	"	"	25	"	"	7751	[illegible]	[illegible]	10	10
		15	25	"	"	25	125	1.49	7800	[illegible]	411	10	3
		16	25	"	"	40	"	"		FAILED			
		39	40	"	"	15	160	1.45	7295	7859	[illegible]	6	6
		40	40	"	"	25	"	1.41		FAILED			
		67	0	"	2.5	15	115	1.55	5703	[illegible]	[illegible]	[illegible]	[illegible]
		68	0	"	"	25	"	"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		19	25	"	"	25	125	1.49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		20	25	"	"	40	"	"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		43	40	"	"	15	160	1.45		FAILED			
		44	40	"	"	25	"	"	[illegible]	213	[illegible]		1
GOULD (pages 55-60)	3.5	51	0	"	1.0	15	115	1.55	7321	[illegible]	[illegible]	[illegible]	[illegible]
		52	0	"	"	[illegible]	"	"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		3	25	"	"	25	[illegible]	1.49		FAILED			
		4	25	"	"	40	"	"		FAILED			
		27	40	"	"	15	160	1.45		FAILED			
		28	40	"	"	25	"	"		FAILED			
		55	0	"	2.5	15	115	1.55	[illegible]	[illegible]	[illegible]	10	[illegible]
		56	0	"	"	25	"	"	5713	[illegible]	[illegible]	[illegible]	[illegible]
		7	25	"	"	25	125	1.49	[illegible]	[illegible]	[illegible]	7	6
		8	25	"	"	40	"	"		FAILED			
		31	40	"	"	15	160	1.45		FAILED			
		32	40	"	"	25	"	1.41		FAILED			

MFR.	CAPACITY A. H.	PACK NO.	TEMP °C.	ORBIT PERIOD (HRS) DISCHARGE	ORBIT PERIOD (HRS) CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYCLES COVERED INITIAL	CYCLES COVERED FINAL	CYCLES COVERED DIFFERENCE	CELLS REMAINING IN PACK INITIAL	CELLS REMAINING IN PACK FINAL
		49	0	0.5	1.0	15	115	1.55					
		50	0	"	"	25	"	"					
		1	25	"	"	25	125	1.49					
		2	25	"	"	40	"	"		FAILED			
		25	40	"	"	15	160	1.45					
		26	40	"	"	25	"	"		FAILED			
SONOTONE	5	53	0	"	2.5	15	115	1.55					
		54	0	"	"	25	"	"					
		5	25	"	"	25	125	1.49					
		6	25	"	"	40	"	"					
		29	40	"	"	15	160	1.45					
		30	40	"	"	25	"	"					
		61	0	"	1.0	15	115	1.55					
		62	0	"	"	25	"	"					
		13	25	"	"	25	125	1.49		FAILED			
		14	25	"	"	40	"	"		FAILED			
		37	40	"	"	15	160	1.45		FAILED			
		38	40	"	"	25	"	"		FAILED			
GULTON	6	65	0	"	2.5	15	115	1.55					
		66	0	"	"	25	"	"					
		17	25	"	"	25	125	1.49		FAILED			
		18	25	"	"	40	"	"		FAILED			
		41	40	"	"	15	160	1.45		FAILED			
		42	40	"	"	25	"	"					

MFR.	CAPACITY A.H.	PACK NO.	TEMP °C.	ORBIT PERIOD (HRS) DISCHARGE	ORBIT PERIOD (HRS) CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYCLES COVERED INITIAL	CYCLES COVERED FINAL	CYCLES COVERED DIFFERENCE	CELLS REMAINING IN PACK INITIAL	CELLS REMAINING IN PACK FINAL
G.E. (pages 76-83)	12	110	0	0.5	1.0	15	115	1.55	7171	7[illegible]	[illegible]	5	5
		124	0	"	"	25	"	"	6946	7[illegible]	2[illegible]	5	5
		82	25	"	"	25	125	1.49	7282	7650	47[illegible]	5	4
		96	25	"	"	40	"	"		FAILED			
		85	40	"	"	15	160	1.45	7060	75[illegible]	4[illegible]	5	5
		99	40	"	"	25	"	"		FAILED			
		111	0	"	2.5	15	115	1.55	3561	3[illegible]	2[illegible]	5	5
		125	0	"	"	25	"	"	3533	3[illegible]	[illegible]	5	5
		83	25	"	"	25	125	1.49	3[illegible]	[illegible]	[illegible]	5	5
		97	25	"	"	40	"	"	[illegible]	[illegible]	[illegible]	5	4
		86	40	"	"	15	160	1.45	3547	[illegible]	[illegible]	5	5
		100	40	"	"	25	"	"	[illegible]	[illegible]	[illegible]	5	5
GOULD (pages 84-91)	20	84	0	"	1.0	15	115	1.55	7[illegible]	7[illegible]	[illegible]	5	5
		78	0	"	"	25	"	"	6[illegible]	[illegible]	[illegible]	4	4
		104	25	"	"	25	125	1.49		FAILED			
		118	25	"	"	40	"	"		FAILED			
		112	40	"	"	15	160	1.45		FAILED			
		126	40	"	"	25	"	1.41		FAILED			
		90	0	"	2.5	15	115	1.55	3[illegible]	3[illegible]	[illegible]	5	5
		94	0	"	"	25	"	"	3[illegible]	3[illegible]	[illegible]	5	5
		105	25	"	"	25	125	1.49	3[illegible]	[illegible]	[illegible]	5	5
		119	25	"	"	40	"	"		FAILED			
		108	40	"	"	15	160	1.45	3[illegible]	[illegible]	[illegible]	5	5
		122	40	"	"	25	"	1.41		FAILED			

MFR.	CAPACITY A. H.	PACK NO.	TEMP. °C.	ORBIT PERIOD (HRS) DISCHARGE	ORBIT PERIOD (HRS) CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYCLES COVERED INITIAL	CYCLES COVERED FINAL	CYCLES COVERED DIFFERENCE	CELLS REMAINING IN PACK INITIAL	CELLS REMAINING IN PACK FINAL
GULTON (Pages 72-77)	20	101	0	0.5	1.0	15	115	1.55		FAILED			
		115	0	"	"	25	"	"		FAILED			
		73	25	"	"	25	125	1.49	[illegible]	[illegible]	[illegible]	3	3
		87	25	"	"	40	"	"		FAILED			
		76	40	"	"	15	160	1.45	[illegible]	[illegible]	[illegible]	5	5
		90	40	"	"	25	"	"		FAILED			
		102	0	"	2.5	15	115	1.55	[illegible]	[illegible]	[illegible]	4	4
		116	0	"	"	25	"	"	[illegible]	[illegible]	[illegible]	5	5
		74	25	"	"	25	125	1.49		FAILED			
		88	25	"	"	40	"	"		FAILED			
		77	40	"	"	15	160	1.45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		91	40	"	"	25	"	"	[illegible]	[illegible]	[illegible]	4	3
G.E. NIMBUS (Pages 98-101)	5	103	0	"	1.0	15	110	1.49	[illegible]	[illegible]	[illegible]	5	5
				"	"	25	"	"					
		106	25	"	"	15	120	"	[illegible]	[illegible]	[illegible]	5	5
				"	"	25	"	"					
		113	40	"	"	15	120	"	[illegible]	[illegible]	[illegible]	5	5
				"	"	25	"	"					
GULTON NIMBUS (Pages 101-103)	5	117	0	"	"	15	110	"	1	364	363	5	5
				"	"	25	"	"					
		120	25	"	"	15	120	"	1	465	464	5	5
				"	"	25	"	"					
		127	40	"	"	15	130	"	1	511	510	5	5
				"	"	25	"	"					

MFR.	CAPACITY A.H.	PACK NO.	TEMP °C.	ORBIT PERIOD (HRS) DISCHARGE	ORBIT PERIOD (HRS) CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYCLES COVERED INITIAL	CYCLES COVERED FINAL	CYCLES COVERED DIFFERENCE	CELLS REMAINING IN PACK INITIAL	CELLS REMAINING IN PACK FINAL
YARDNEY	12	57	0	1.0	23.0	50	*	1.50		FAILED			
		33	40	"	"	"	*	1.50		FAILED			
GULTON (page 104)	6	79	25	1.0	23.0	50	200	1.49	392	427	35	3	3
G.E. (page)	12	93	25**	1.0	23.0	50	200***	1.49**		FAILED			
GULTON (page)	50	95	0	0.5	1.0	25	115	1.55		FAILED			
		123	40	"	"	15	160	1.45		FAILED			
DELCO (pages 105)	25	75	25	1.0	23.0	40	*	1.97		FAILED			
		89	25	"	"	"	*	"		FAILED			
		288	25	0.5	2.5	"	*	"		DISCONTINUED			
	(NaOH) →	188	25	"	"	"	*	"	24	325	94	5	0
DELCO (pages)	40	275	25	1.0	23.0	25	*	1.97		DISCONTINUED			
RONEY (Page 106)	12 Ag/Zn Lim	9	25	1.0	23.0	42 (5 cmpl)	(500 No.*)	1.97	1	13	12	10	10

* DOES NOT APPLY.

** CHANGED TO 40°C, 1.45 V/CELL LIMIT AFTER CYCLE 173.

[illegible] AFTER CYCLE 2[illegible]

MFR.	CAPACITY A. H.	PACK NO.	TEMP. °C.	ORBIT PERIOD (HRS) DISCHARGE	ORBIT PERIOD (HRS) CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYCLES COVERED INITIAL	CYCLES COVERED FINAL	CYCLES COVERED DIFFERENCE	CELLS REMAINING IN PACK INITIAL	CELLS REMAINING IN PACK FINAL
GULTON (pages 107 - 112)	4	315	0	0.5	1.0	15	115	1.55	4 [illegible]	[illegible]	[illegible]	5	5
		326	0	"	"	25	"	"	[illegible]	[illegible]	[illegible]	5	[illegible]
		204	25	"	"	25	125	1.49	[illegible]	[illegible]	[illegible]	5	5
		214	25	"	"	40	"	"	[illegible]	[illegible]	[illegible]	[illegible]	5
		228	40	"	"	15	160	1.45	4174	[illegible]	[illegible]	5	5
		240	40	"	"	25	"	"	[illegible]	[illegible]	[illegible]	5	5
GULTON (pages [illegible])	12	216	0	"	"	15	115	1.55	[illegible]	[illegible]	[illegible]	5	5
		301	0	"	"	25	115	1.55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		227	25	"	"	25	125	1.49	[illegible]	[illegible]	[illegible]	[illegible]	5
		296	25	"	"	40	125	1.49	[illegible]	[illegible]	[illegible]	5	5
		78	40	"	"	15	160	1.45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		290	40	"	"	25	160	1.45	[illegible]	[illegible]	[illegible]	[illegible]	5
GULTON (pages [illegible])	(HSI) 6	213	0	"	"	25	115	1.55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		218	25	"	"	40	125	1.49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		238	40	"	"	25	160	1.45	[illegible]	[illegible]	[illegible]	5	5

MFR.	CAPACITY A. H.	PACK NO.	TEMP. °C.	ORBIT PERIOD (HRS.) DISCHARGE	ORBIT PERIOD (HRS.) CHARGE	PERCENT DEPTH OF DISCHARGE	PERCENT OF RECHARGE	CHARGE VOLTAGE LIMIT	CYCLES COVERED INITIAL	CYCLES COVERED FINAL	CYCLES COVERED DIFFERENCE	CELLS REMAINING IN PACK INITIAL	CELLS REMAINING IN PACK FINAL
Clinton	6 (THIRD ELECTRODE)	59	0	0.5	1.0	25	—	—	171	650	479	5	5
		7	0	"	"	40	—	—	177	656	479	5	5
		11	25	"	"	40	—	—	1075	1606	531	5	5
		23	25	"	"	25	—	—	1051	1605	554	5	5
(pages 122-126)		35	40	"	"	15	—	—					
		47	40	"	"	25	—	—	1	318	317	5	5

PACK NO. 63
G.E. 3 A.H.

DEPTH OF DISCHARGE 15
PERCENT OF RECHARGE 115

TEST TEMPERATURE 0 C
ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 0.90	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7846.	12.43	.90	1.25	1.14	1.26	1.24	1.23	1.25	1.24	1.24	1.25	1.25	END OF DISCHARGE
7887.	12.31	.90	1.23	1.23	1.23	1.21	1.22	1.23	1.23	1.25	1.23	1.22	
7925.	12.32	.90	1.23	1.23	1.23	1.22	1.23	1.23	1.23	1.25	1.23	1.22	
7999.	12.29	.90	1.23	1.23	1.24	1.22	1.22	1.23	1.23	1.25	1.22	1.22	
8031.	12.28	.90	1.23	1.23	1.23	1.21	1.22	1.22	1.23	1.25	1.22	1.22	
8073.	12.27	.90	1.22	1.23	1.23	1.21	1.22	1.23	1.22	1.26	1.22	1.22	
8119.	12.29	.90	1.23	1.23	1.23	1.22	1.22	1.23	1.23	1.26	1.22	1.22	
8143.	12.23	.90	1.23	1.23	1.23	1.22	1.22	1.23	1.23	1.26	1.22	1.22	
8207.	12.31	.90	1.23	1.23	1.23	1.22	1.22	1.23	1.23	1.26	1.23	1.22	
8239.	12.28	.90	1.23	1.23	1.23	1.21	1.22	1.22	1.23	1.25	1.22	1.22	
8271.	12.32	.90	1.23	1.23	1.24	1.22	1.22	1.22	1.23	1.26	1.22	1.23	
8301.	12.27	.90	1.23	1.23	1.23	1.21	1.22	1.22	1.22	1.25	1.22	1.22	
8327.	12.26	.90	1.23	1.23	1.23	1.21	1.22	1.22	1.22	1.25	1.22	1.22	
		.52											
7846.	15.49	.22	1.61	1.43	1.60	1.55	1.63	1.62	1.52	1.51	1.47	1.53	END OF CHARGE
7887.	15.50	.23	1.59	1.47	1.59	1.54	1.62	1.61	1.52	1.55	1.47	1.53	
7925.	15.52	.22	1.59	1.46	1.60	1.54	1.63	1.62	1.52	1.57	1.47	1.52	
7999.	15.48	.22	1.59	1.46	1.59	1.54	1.62	1.61	1.51	1.60	1.46	1.51	
8031.	15.50	.22	1.59	1.46	1.59	1.54	1.62	1.61	1.51	1.60	1.46	1.51	
8073.	15.49	.23	1.59	1.46	1.59	1.54	1.62	1.60	1.51	1.60	1.46	1.52	
8119.	15.49	.22	1.60	1.46	1.59	1.54	1.62	1.61	1.51	1.60	1.46	1.52	
8143.	15.49	.21	1.60	1.47	1.60	1.55	1.62	1.61	1.52	1.61	1.47	1.53	
8207.	15.50	.22	1.60	1.46	1.59	1.54	1.62	1.61	1.50	1.60	1.46	1.52	
8239.	15.49	.22	1.60	1.46	1.59	1.54	1.62	1.61	1.51	1.60	1.46	1.52	
8271.	15.50	.22	1.60	1.46	1.59	1.54	1.62	1.61	1.50	1.61	1.46	1.52	
8301.	15.49	.24	1.60	1.46	1.59	1.54	1.62	1.61	1.50	1.61	1.46	1.51	
8327.	15.49	.23	1.60	1.46	1.59	1.54	1.62	1.61	1.50	1.60	1.46	1.52	

PACK NO. 64 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
G.E. 3 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7816.	12.01	1.50	1.20	1.21	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.19	END OF DISCHARGE
7854.	12.05	1.49	1.20	1.21	1.20	1.20	1.20	1.20	1.21	1.22	1.20	1.19	
7916.	12.05	1.50	1.20	1.21	1.20	1.21	.20	1.20	1.21	1.22	1.21	1.19	
7928.	12.00	1.50	1.20	1.21	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.19	
7951.	12.00	1.50	1.20	1.20	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.18	
8002.	12.02	1.50	1.20	1.20	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.19	
8047.	12.03	1.50	1.20	1.21	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.19	
8072.	11.93	1.49	1.20	1.21	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.19	
8108.	12.05	1.49	1.21	1.21	1.20	1.21	1.20	1.20	1.21	1.22	1.21	1.20	
8134.	12.00	1.50	1.20	1.20	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.19	
8166.	12.00	1.49	1.20	1.21	.20	1.20	1.19	1.20	1.20	1.21	1.20	1.19	
8200.	11.98	1.50	1.20	1.20	1.20	1.20	1.19	1.19	1.20	1.21	1.20	1.18	
8234.	11.99	1.50	1.20	1.20	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.18	
8256.	11.99	1.50	1.20	1.20	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.19	
		.86											
7816.	15.52	.33	1.56	1.51	1.54	1.60	1.52	1.49	1.49	1.63	1.55	1.60	END OF CHARGE
7854.	15.52	.33	1.55	1.55	1.53	1.59	1.53	1.49	1.49	1.65	1.53	1.59	
7916.	15.52	.30	1.55	1.56	1.54	1.61	1.51	1.49	1.48	1.66	1.55	1.60	
7928.	15.53	.32	1.55	1.56	1.54	1.60	1.52	1.48	1.48	1.65	1.54	1.60	
7951.	15.54	.30	1.55	1.56	1.54	1.61	1.51	1.48	1.48	1.65	1.54	1.60	
8002.	15.52	.31	1.55	1.56	1.54	1.61	1.50	1.49	1.48	1.65	1.54	1.60	
8047.	15.51	.31	1.55	1.56	1.54	1.60	1.50	1.48	1.48	1.65	1.54	1.60	
8072.	15.50	.32	1.56	1.57	1.55	1.61	1.51	1.49	1.49	1.66	1.55	1.61	
8108.	15.51	.31	1.55	1.57	1.54	1.60	1.51	1.48	1.48	1.65	1.54	1.61	
8134.	15.50	.31	1.55	1.57	1.54	1.60	1.51	1.48	1.48	1.65	1.54	1.60	
8166.	15.53	.30	1.56	1.57	1.54	1.60	1.52	1.48	1.48	1.65	1.54	1.61	
8200.	15.46	.29	1.55	1.56	1.54	1.60	1.51	1.47	1.47	1.63	1.54	1.60	
8234.	15.45	.29	1.55	1.57	1.54	1.60	1.50	1.48	1.47	1.62	1.54	1.60	
8256.	15.40	.32	1.55	1.56	1.54	1.59	1.51	1.48	1.47	1.61	1.53	1.58	

PACK NO. 15 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
G.E. 3 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7842.	11.60	1.51	1.18	1.06	1.18	1.17	1.14	1.19	1.12	1.13	1.18	1.15	END OF DISCHARGE
7883.	11.11	1.52	1.15	1.15	1.13	1.13	1.06	1.16	1.09	.99	1.14	1.08	
7921.	11.07	1.52	1.15	1.15	1.14	1.13	1.06	1.16	1.01	1.03	1.14	1.07	
7995.	10.99	1.51	1.15	1.15	1.13	1.13	1.08	1.16	1.01	.96	1.13	1.07	
8027.	10.90	1.51	1.15	1.15	1.13	1.12	1.04	1.16	.95	.96	1.14	1.06	
8064.	10.36	1.51	1.16	1.16	1.14	1.14	1.08	1.17	.26	1.00	1.15	1.08	
8124.	10.39	1.52	1.15	1.16	1.16	1.13	1.16	1.16	.00	1.15	1.17	1.14	
8156.	10.33	1.51	1.15	1.15	1.16	1.14	1.15	1.16	.00	1.12	1.17	1.13	
8188.	10.32	1.51	1.16	1.16	1.16	1.15	1.16	1.17	.00	1.04	1.17	1.14	
8218.	9.14	1.51	1.15	1.15	1.16	1.15	1.15	1.16	.00	.11	1.17	1.12	
8244.	9.04	1.51	1.14	1.15	1.16	1.14	1.13	1.16	.00	.11	1.16	1.09	
		.94											
7842.	14.65	.94	1.49	1.46	1.45	1.46	1.44	1.49	1.43	1.44	1.46	1.51	END OF CHARGE
7883.	14.59	.93	1.48	1.51	1.44	1.44	1.42	1.49	1.43	1.44	1.45	1.48	
7921.	14.57	.94	1.48	1.50	1.44	1.45	1.42	1.49	1.42	1.44	1.44	1.47	
7995.	14.59	.93	1.48	1.51	1.44	1.45	1.43	1.49	1.42	1.44	1.44	1.48	
8027.	14.58	.93	1.48	1.50	1.44	1.45	1.42	1.49	1.42	1.44	1.45	1.47	
8064.	14.61	.94	1.49	1.50	1.44	1.45	1.43	1.49	1.42	1.45	1.45	1.48	
8124.	13.20	.94	1.48	1.50	1.44	1.45	1.45	1.49	.00	1.45	1.45	1.50	
8156	13.22	.94	1.48	1.51	1.44	1.46	1.45	1.49	.00	1.44	1.46	1.50	
8188	13.18	.94	1.48	1.50	1.44	1.45	1.44	1.48	.00	1.43	1.45	1.50	
8218.	13.20	.94	1.48	1.50	1.44	1.45	1.44	1.49	.00	1.43	1.45	1.50	
8244.	13.23	.94	1.49	1.51	1.45	1.46	1.44	1.49	.00	1.44	1.46	1.50	

PACK NO. 39 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
G.E. 3 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT .90	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7378.	7.06	.90	.00	.00	1.20	1.17	1.15	.00	.00	1.16	1.13	1.20	END OF DISCHARGE
7419.	6.53	.90	.00	.00	1.13	1.04	1.14	.00	.00	1.11	.94	1.16	
7505.	6.74	.90	.00	.00	1.14	1.10	1.15	.00	.00	1.13	1.08	1.13	
7531.	6.67	.90	.00	.00	1.11	1.06	1.13	.00	.00	1.12	1.11	1.13	
7563.	6.57	.90	.00	.00	1.10	.99	1.13	.00	.00	1.13	1.10	1.12	
7605.	6.58	.90	.00	.00	1.12	1.01	1.13	.00	.00	1.11	1.11	1.11	
7651.	6.63	.90	.00	.00	1.11	1.12	1.14	.00	.00	1.11	1.07	1.08	
7675.	6.54	.90	.00	.00	1.11	1.07	1.15	.00	.00	1.10	1.09	1.07	
7739.	6.71	.90	.00	.00	1.13	1.07	1.16	.00	.00	1.13	1.12	1.11	
7771.	6.57	.90	.00	.00	1.10	1.05	1.13	.00	.00	1.08	1.13	1.09	
7803.	6.78	.90	.00	.00	1.15	1.11	1.13	.00	.00	1.15	1.11	1.12	
7833.	6.76	.90	.00	.00	1.12	1.13	1.13	.00	.00	1.12	1.12	1.16	
7859.	6.37	.90	.00	.00	1.10	1.05	1.11	.00	.00	1.09	.97	1.06	
		.72											
7378.	8.45	.72	.00	.00	1.41	1.40	1.41	.00	.00	1.42	1.40	1.43	END OF CHARGE
7419.	8.47	.71	.00	.00	1.40	1.40	1.41	.00	.00	1.41	1.41	1.43	
7505.	8.49	.71	.00	.00	1.42	1.41	1.41	.00	.00	1.42	1.41	1.42	
7531.	8.49	.71	.00	.00	1.41	1.41	1.41	.00	.00	1.42	1.41	1.42	
7563.	8.49	.71	.00	.00	1.41	1.41	1.41	.00	.00	1.42	1.41	1.42	
7605.	8.50	.72	.00	.00	1.41	1.42	1.42	.00	.00	1.42	1.42	1.42	
7651.	8.51	.72	.00	.00	1.42	1.42	1.42	.00	.00	1.43	1.42	1.42	
7675.	8.46	.72	.00	.00	1.42	1.42	1.42	.00	.00	1.42	1.42	1.42	
7739.	8.51	.71	.00	.00	1.42	1.41	1.42	.00	.00	1.43	1.42	1.43	
7771.	8.47	.73	.00	.00	1.41	1.41	1.42	.00	.00	1.42	1.41	1.41	
7803.	8.45	.73	.00	.00	1.41	1.41	1.40	.00	.00	1.42	1.40	1.41	
7833.	8.46	.73	.00	.00	1.41	1.41	1.41	.00	.00	1.41	1.40	1.42	
7859.	8.44	.73	.00	.00	1.40	1.41	1.40	.00	.00	1.41	1.40	1.42	

PACK NO. 67 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
G.E. 3 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 0.90	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3763.	12.30	.89	1.23	1.23	1.21	1.22	1.23	1.23	1.23	1.25	1.22	1.23	END OF DISCHARGE
3782.	12.30	.89	1.23	1.23	1.21	1.23	1.23	1.24	1.23	1.25	1.22	1.23	
3822.	12.28	.89	1.23	1.23	1.21	1.23	1.22	1.24	1.23	1.24	1.21	1.23	
3854.	12.34	.90	1.24	1.13	1.22	1.23	1.23	1.25	1.24	1.24	1.23	1.25	
3894.	12.25	.90	1.23	1.24	1.22	1.23	1.23	1.24	1.24	1.25	1.22	1.23	
3927.	12.27	.90	1.22	1.23	1.21	1.22	1.22	1.24	1.23	1.24	1.21	1.23	
3958.	12.29	.89	1.23	1.23	1.21	1.23	1.22	1.23	1.23	1.25	1.22	1.23	
3986.	12.39	.90	1.24	1.25	1.23	1.24	1.24	1.25	1.24	1.26	1.23	1.24	
		.21											
3763.	15.10	.06	1.56	1.43	1.43	1.51	1.56	1.55	1.52	1.48	1.51	1.54	END OF CHARGE
3782.	15.14	.04	1.57	1.42	1.42	1.55	1.57	1.54	1.54	1.46	1.55	1.52	
3822.	14.78	.04	1.52	1.42	1.41	1.47	1.54	1.51	1.48	1.46	1.46	1.50	
3854.	15.10	.06	1.56	1.39	1.43	1.51	1.57	1.56	1.52	1.47	1.51	1.55	
3894.	15.09	.05	1.55	1.44	1.43	1.50	1.56	1.57	1.53	1.49	1.51	1.57	
3927.	15.04	.05	1.55	1.42	1.42	1.50	1.56	1.55	1.52	1.47	1.52	1.54	
3958.	15.48	.09	1.58	1.44	1.45	1.58	1.58	1.59	1.57	1.54	1.57	1.58	
3986.	15.53	.08	1.60	1.46	1.47	1.58	1.60	1.60	1.57	1.54	1.56	1.59	

PACK NO. 68 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
G.E. 3 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3824.	12.02	1.50	1.19	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.20	1.20	END OF
3861.	12.01	1.50	1.19	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.19	1.20	DISCHARGE
3898.	12.01	1.50	1.19	1.19	1.20	1.20	1.20	1.21	1.21	1.21	1.19	1.20	
3933.	12.00	1.50	1.19	1.20	1.20	1.21	1.20	1.21	1.21	1.22	1.20	1.20	
3966.	12.03	1.50	1.19	1.20	1.20	1.20	1.20	1.21	1.21	1.22	1.20	1.20	
3997.	12.02	1.50	1.19	1.19	1.20	1.20	1.20	1.20	1.21	1.22	1.19	1.20	
		.34											
3824.	15.38	.08	1.61	1.62	1.51	1.58	1.57	1.57	1.45	1.62	1.41	1.44	END OF
3861.	15.45	.10	1.61	1.62	1.53	1.58	1.58	1.59	1.46	1.62	1.41	1.44	CHARGE
3898.	15.46	.10	1.61	1.62	1.54	1.58	1.58	1.58	1.46	1.62	1.41	1.45	
3933.	15.42	.10	1.60	1.62	1.55	1.58	1.58	1.59	1.46	1.62	1.42	1.45	
3966.	15.45	.10	1.61	1.62	1.56	1.57	1.58	1.58	1.46	1.62	1.41	1.45	
3997.	15.47	.11	1.60	1.62	1.56	1.58	1.59	1.59	1.46	1.62	1.40	1.45	

PACK NO. 19 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
G.E. 3 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3772.	12.03	1.51	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.21	1.20	1.20	END OF DISCHARGE
3791.	12.05	1.50	1.20	1.20	1.20	1.20	1.20	1.21	1.20	1.22	1.20	1.20	
3831.	12.04	1.51	1.20	1.20	1.20	1.21	1.20	1.21	1.20	1.21	1.20	1.20	
3863.	12.10	1.50	1.21	1.11	1.21	1.22	1.20	1.22	1.21	1.21	1.22	1.22	
3903.	12.03	1.51	1.21	1.21	1.21	1.21	1.21	1.22	1.21	1.22	1.20	1.21	
3936.	12.01	1.52	1.20	1.20	1.20	1.21	1.20	1.21	1.20	1.21	1.19	1.20	
3967.	11.97	1.52	1.19	1.20	1.19	1.20	1.19	1.20	1.19	1.21	1.19	1.20	
3995.	12.00	1.51	1.20	1.20	1.20	1.21	1.20	1.21	1.20	1.21	1.19	1.20	
		.38											
3772.	14.59	.25	1.44	1.44	1.43	1.44	1.43	1.51	1.43	1.50	1.44	1.51	END OF CHARGE
3791.	14.59	.26	1.44	1.44	1.43	1.44	1.43	1.51	1.44	1.50	1.44	1.51	
3831.	14.62	.27	1.44	1.44	1.44	1.44	1.44	1.52	1.44	1.50	1.44	1.51	
3863.	14.62	.26	1.44	1.42	1.44	1.44	1.44	1.51	1.44	1.48	1.45	1.52	
3903.	14.58	.27	1.45	1.45	1.44	1.44	1.44	1.52	1.44	1.51	1.44	1.52	
3936.	14.58	.29	1.44	1.44	1.44	1.43	1.44	1.51	1.43	1.50	1.43	1.51	
3967.	14.46	.18	1.43	1.43	1.43	1.43	1.42	1.50	1.43	1.48	1.43	1.49	
3995.	14.49	.16	1.43	1.43	1.43	1.44	1.43	1.51	1.43	1.49	1.43	1.51	

PACK NO. 20
G.E. 3 A.H.

DEPTH OF DISCHARGE 40
PERCENT OF RECHARGE 125

TEST TEMPERATURE 25 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 2.40	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3618.	11.15	2.39	1.15	1.10	1.08	1.11	1.10	1.11	1.12	1.11	1.14	1.12	DISCHARGE
3639.	10.97	2.38	1.14	1.08	1.05	1.09	1.09	1.09	1.11	1.08	1.13	1.11	END OF
3676.	10.70	2.40	1.14	1.06	1.02	1.07	.94	1.06	1.09	1.07	1.12	1.11	
3704.	9.55	2.39	1.14	.91	1.01	1.07	.11	1.05	1.09	1.00	1.13	1.12	
3734.	10.06	2.40	1.14	1.11	1.09	1.11	.00	1.13	1.12	1.13	1.12	1.12	
3765.	9.39	2.40	1.13	1.00	.94	1.03	.00	.97	1.09	1.00	1.13	1.11	
3793.	10.16	2.40	1.14	1.12	1.13	1.13	.00	1.14	1.12	1.14	1.13	1.12	
		.60											
3618.	14.70	.58	1.49	1.47	1.44	1.46	1.44	1.48	1.49	1.47	1.47	1.49	END OF
3639.	14.71	.59	1.49	1.47	1.44	1.46	1.44	1.49	1.49	1.47	1.47	1.49	CHARGE
3676.	14.72	.57	1.50	1.47	1.44	1.46	1.43	1.48	1.50	1.47	1.48	1.50	
3704.	14.76	.60	1.50	1.45	1.45	1.47	1.43	1.49	1.50	1.46	1.48	1.51	
3734.	13.28	.60	1.48	1.48	1.45	1.47	.00	1.49	1.49	1.47	1.46	1.49	
3765.	12.86	.42	1.46	1.41	1.40	1.40	.00	1.42	1.43	1.42	1.47	1.45	
3793.	13.25	.57	1.48	1.48	1.45	1.46	.00	1.49	1.48	1.46	1.48	1.50	

PACK NO. 44 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
G.E. 3 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3548.	10.01	1.50	1.10	1.13	1.10	1.12	1.12	.00	1.14	1.10	1.12	1.07	END OF DISCHARGE
3569.	9.92	1.50	1.09	1.12	1.08	1.12	1.10	.00	1.13	1.09	1.12	1.05	
3606.	9.77	1.50	1.06	1.11	1.05	1.11	1.08	.00	1.12	1.07	1.10	1.03	
3643.	9.67	1.50	1.05	1.10	1.04	1.10	1.07	.00	1.11	1.06	1.10	1.00	
3678.	9.70	1.50	1.07	1.11	1.05	1.12	1.08	.00	1.12	1.05	1.11	1.02	
3711.	9.81	1.50	1.08	1.11	1.08	1.12	1.09	.00	1.12	1.05	1.12	1.04	
3742.	9.76	1.50	1.07	1.11	1.03	1.11	1.08	.00	1.12	1.06	1.10	1.07	
3770.	9.42	1.50	1.03	1.09	.98	1.10	1.06	.00	1.10	.95	1.08	1.03	
		.48											
3548.	12.86	.43	1.41	1.45	1.43	1.41	1.41	.00	1.43	1.46	1.41	1.43	END OF CHARGE
3569.	12.87	.45	1.41	1.46	1.43	1.41	1.41	.00	1.43	1.46	1.41	1.43	
3606.	12.83	.44	1.41	1.45	1.43	1.41	1.41	.00	1.42	1.46	1.40	1.43	
3643.	12.84	.43	1.41	1.46	1.42	1.41	1.41	.00	1.43	1.46	1.41	1.43	
3678.	12.83	.44	1.42	1.46	1.44	1.42	1.41	.00	1.43	1.46	1.41	1.43	
3711.	12.83	.45	1.42	1.46	1.44	1.42	1.41	.00	1.43	1.46	1.41	1.44	
3742.	12.72	.46	1.40	1.44	1.41	1.40	1.39	.00	1.41	1.44	1.40	1.42	
3770.	12.71	.46	1.40	1.44	1.41	1.40	1.40	.00	1.41	1.43	1.40	1.42	

PACK NO. 51 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GOULD 3.5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.05	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7863.	12.60	1.06	1.26	1.14	1.23	1.29	1.24	1.26	1.26	1.25	1.29	1.29	END OF DISCHARGE
7904.	12.44	1.05	1.24	1.23	1.22	1.26	1.23	1.24	1.24	1.25	1.26	1.25	
7942.	12.43	1.05	1.24	1.23	1.22	1.25	1.23	1.24	1.24	1.25	1.26	1.25	
8016.	12.39	1.05	1.24	1.23	1.22	1.25	1.23	1.24	1.25	1.25	1.24	1.23	
8048.	12.37	1.05	1.24	1.23	1.22	1.24	1.23	1.24	1.24	1.25	1.23	1.24	
8090.	12.38	1.05	1.24	1.23	1.21	1.26	1.23	1.24	1.24	1.24	1.22	1.25	
8136.	12.38	1.05	1.24	1.23	1.22	1.25	1.23	1.24	1.24	1.25	1.21	1.26	
8160.	12.32	1.05	1.24	1.23	1.22	1.25	1.23	1.25	1.24	1.25	1.21	1.25	
8224.	12.39	1.05	1.24	1.23	1.22	1.26	1.23	1.25	1.24	1.25	1.20	1.26	
8256.	12.32	1.05	1.24	1.23	1.22	1.24	1.23	1.24	1.24	1.25	1.19	1.24	
8288.	12.33	1.05	1.24	1.23	1.22	1.26	1.23	1.25	1.25	1.25	1.20	1.26	
8318.	12.32	1.05	1.24	1.23	1.22	1.24	1.23	1.24	1.24	1.25	1.19	1.24	
8344.	12.32	1.05	1.23	1.23	1.21	1.25	1.23	1.24	1.24	1.24	1.19	1.25	
		.60											
7863.	15.39	.54	1.55	1.53	1.57	1.48	1.60	1.55	1.55	1.58	1.48	1.49	END OF CHARGE
7904.	15.41	.54	1.55	1.56	1.57	1.48	1.61	1.55	1.55	1.60	1.47	1.47	
7942.	15.41	.55	1.55	1.57	1.57	1.47	1.60	1.56	1.55	1.60	1.48	1.47	
8016.	15.36	.58	1.55	1.57	1.58	1.46	1.59	1.55	1.55	1.60	1.46	1.45	
8048.	15.38	.57	1.55	1.57	1.58	1.46	1.60	1.55	1.55	1.61	1.45	1.46	
8090.	15.38	.55	1.55	1.57	1.58	1.48	1.60	1.55	1.55	1.61	1.44	1.47	
8136.	15.38	.56	1.55	1.57	1.58	1.47	1.60	1.56	1.55	1.61	1.43	1.48	
8160.	15.39	.52	1.57	1.58	1.59	1.47	1.62	1.56	1.56	1.62	1.43	1.47	
8224.	15.36	.57	1.55	1.57	1.58	1.48	1.59	1.55	1.55	1.60	1.42	1.49	
8256.	15.29	.55	1.55	1.57	1.58	1.46	1.59	1.55	1.55	1.60	1.41	1.46	
8288.	15.33	.55	1.55	1.57	1.58	1.47	1.58	1.55	1.55	1.60	1.41	1.48	
8318.	15.34	.55	1.55	1.57	1.58	1.46	1.60	1.56	1.55	1.61	1.41	1.45	
8344.	15.35	.55	1.55	1.57	1.58	1.47	1.59	1.56	1.55	1.61	1.42	1.47	

PACK NO. 52 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GOULD 3.5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.75	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7714.	10.48	1.76	1.18	1.16	1.11	1.18	1.19	1.19	1.16	.12	1.14	1.22	END OF DISCHARGE
7752.	10.14	1.76	1.20	1.17	.74	1.19	1.19	1.20	1.17	.12	1.13	1.21	
7826.	12.22	1.76	1.22	1.23	1.22	1.20	1.21	1.21	1.23	1.20	1.24	1.23	
7858.	10.75	1.76	1.21	1.22	1.21	1.19	1.20	1.20	1.21	.21	1.23	1.22	
7916.	10.86	1.76	1.21	1.21	1.22	1.19	1.20	1.20	1.19	.00	1.22	1.21	
7940.	10.93	1.75	1.21	1.22	1.22	1.20	1.21	1.21	1.19	.00	1.23	1.22	
7982.	10.86	1.75	1.20	1.20	1.21	1.20	1.20	1.20	1.19	.00	1.21	1.21	
8016.	10.87	1.76	1.21	1.19	1.21	1.20	1.20	1.21	1.21	.00	1.21	1.21	
8038.	10.86	1.77	1.21	1.19	1.20	1.20	1.20	1.21	1.21	.00	1.21	1.21	
		1.00											
7714.	14.83	.57	1.46	1.39	1.43	1.56	1.54	1.55	1.48	1.44	1.44	1.52	END OF CHARGE
7752.	14.83	.56	1.50	1.43	1.43	1.55	1.52	1.54	1.47	1.45	1.43	1.48	
7826.	15.44	.60	1.59	1.50	1.46	1.58	1.56	1.57	1.66	1.47	1.51	1.54	
7858.	15.47	.60	1.57	1.62	1.48	1.58	1.55	1.57	1.53	1.46	1.59	1.52	
7916.	13.95	.59	1.57	1.56	1.53	1.58	1.55	1.57	1.50	.00	1.55	1.50	
7940.	13.96	.58	1.56	1.58	1.50	1.58	1.56	1.57	1.50	.00	1.57	1.52	
7982.	13.99	.57	1.58	1.53	1.54	1.59	1.56	1.58	1.52	.00	1.55	1.53	
8016.	13.96	.62	1.57	1.48	1.55	1.59	1.56	1.58	1.55	.00	1.54	1.52	
8038.	13.93	.65	1.57	1.47	1.55	1.59	1.56	1.58	1.54	.00	1.54	1.52	

PACK NO. 55 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GOULD 3.5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 1.05	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3793.	12.35	1.05	1.23	1.24	1.23	1.22	1.23	1.23	1.23	1.25	1.23	1.23	END OF
3812.	12.36	1.05	1.23	1.24	1.24	1.22	1.23	1.23	1.23	1.25	1.23	1.23	DISCHARGE
3852.	12.35	1.05	1.23	1.24	1.24	1.23	1.23	1.23	1.23	1.25	1.23	1.23	
3884.	12.41	1.05	1.24	1.13	1.24	1.24	1.23	1.24	1.24	1.24	1.25	1.25	
3924.	12.32	1.05	1.24	1.24	1.24	1.23	1.23	1.23	1.24	1.25	1.23	1.24	
3957.	12.35	1.06	1.23	1.24	1.24	1.23	1.23	1.23	1.23	1.25	1.23	1.24	
3988.	12.39	1.05	1.24	1.24	1.24	1.23	1.23	1.23	1.23	1.25	1.23	1.24	
4016.	12.41	1.05	1.24	1.24	1.24	1.24	1.23	1.24	1.24	1.26	1.24	1.24	
		.24											
3793.	15.15	.18	1.52	1.51	1.51	1.52	1.51	1.51	1.51	1.54	1.50	1.50	END OF
3812.	15.12	.19	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.53	1.50	1.50	CHARGE
3852.	15.12	.18	1.51	1.51	1.51	1.52	1.51	1.52	1.51	1.53	1.50	1.50	
3884.	15.13	.18	1.51	1.47	1.51	1.52	1.51	1.52	1.51	1.52	1.50	1.50	
3924.	15.17	.15	1.53	1.52	1.52	1.53	1.53	1.53	1.52	1.55	1.51	1.51	
3957.	15.14	.20	1.52	1.51	1.52	1.52	1.51	1.52	1.51	1.54	1.50	1.50	
3988.	15.26	.25	1.53	1.53	1.53	1.53	1.53	1.53	1.52	1.55	1.52	1.51	
4016.	15.26	.25	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.55	1.52	1.52	

PACK NO. 56 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GOULD 3.5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 1.75	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3774.	12.10	1.76	1.20	1.20	1.21	1.21	1.20	1.20	1.21	1.22	1.20	1.21	END OF DISCHARGE
3795.	12.07	1.76	1.20	1.20	1.21	1.21	1.20	1.20	1.21	1.22	1.20	1.21	
3832.	12.03	1.78	1.20	1.20	1.20	1.20	1.19	1.19	1.20	1.22	1.19	1.20	
3869.	12.01	1.78	1.19	1.20	1.20	1.20	1.19	1.19	1.20	1.21	1.19	1.20	
3904.	11.98	1.78	1.20	1.20	1.20	1.21	1.20	1.20	1.20	1.22	1.19	1.20	
3937.	12.04	1.78	1.20	1.20	1.20	1.21	1.20	1.20	1.20	1.22	1.20	1.20	
3968.	12.15	1.78	1.21	1.21	1.22	1.22	1.21	1.21	1.21	1.23	1.21	1.22	
3996.	12.12	1.78	1.21	1.21	1.22	1.22	1.20	1.21	1.21	1.23	1.20	1.21	
		.40											
3774.	15.51	.36	1.54	1.54	1.56	1.57	1.54	1.54	1.56	1.57	1.54	1.55	END OF CHARGE
3795.	15.57	.37	1.54	1.54	1.58	1.59	1.55	1.55	1.58	1.56	1.54	1.54	
3832.	15.50	.36	1.54	1.54	1.55	1.57	1.54	1.55	1.56	1.56	1.54	1.54	
3869.	15.50	.36	1.54	1.54	1.55	1.58	1.54	1.55	1.56	1.57	1.54	1.54	
3904.	15.62	.34	1.56	1.56	1.57	1.60	1.56	1.56	1.58	1.58	1.56	1.56	
3937.	15.50	.38	1.54	1.54	1.55	1.58	1.55	1.55	1.56	1.57	1.54	1.55	
3968.	15.43	.31	1.52	1.52	1.51	1.60	1.55	1.55	1.57	1.55	1.52	1.56	
3996.	15.45	.31	1.53	1.54	1.53	1.59	1.54	1.54	1.55	1.56	1.53	1.55	

PACK NO. 7 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
GOULD 3.5 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 1.75	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3625.	7.75	1.73	.00	.00	1.17	1.10	.86	.00	1.06	1.19	1.19	1.18	END OF DISCHARGE
3644.	7.76	1.73	.00	.00	1.17	1.10	.87	.00	1.05	1.19	1.20	1.18	
3684.	7.51	1.74	.00	.00	1.16	1.06	.75	.00	.97	1.20	1.19	1.17	
3716.	7.55	1.73	.00	.00	1.17	1.06	.77	.00	.93	1.17	1.22	1.20	
3756.	6.55	1.74	.00	.00	1.16	1.04	.00	.00	.89	1.20	1.20	1.18	
3789.	6.49	1.75	.00	.00	1.14	1.03	.00	.00	.83	1.20	1.19	1.17	
3820.	6.41	1.74	.00	.00	1.13	1.00	.00	.00	.79	1.20	1.19	1.16	
3848.	6.17	1.74	.00	.00	1.13	1.01	.00	.00	.56	1.20	1.19	1.17	
		.44											
3625.	10.14	.43	.00	.00	1.47	1.43	1.43	.00	1.44	1.46	1.47	1.46	END OF CHARGE
3644.	10.14	.43	.00	.00	1.47	1.43	1.43	.00	1.44	1.46	1.46	1.46	
3684.	10.13	.43	.00	.00	1.47	1.42	1.44	.00	1.44	1.47	1.46	1.46	
3716.	10.15	.43	.00	.00	1.47	1.41	1.43	.00	1.44	1.46	1.47	1.47	
3756.	8.67	.43	.00	.00	1.47	1.42	.00	.00	1.45	1.47	1.47	1.46	
3789.	8.69	.43	.00	.00	1.47	1.42	.00	.00	1.44	1.46	1.46	1.46	
3820.	8.71	.43	.00	.00	1.47	1.42	.00	.00	1.45	1.47	1.47	1.46	
3846.	8.73	.43	.00	.00	1.47	1.42	.00	.00	1.45	1.47	1.47	1.47	

09

PACK NO. 49 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
SONOTONE 5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7587.	11.00	1.48	1.21	1.21	1.23	1.20	1.21	1.22	1.24	1.25	.00	1.23	END OF DISCHARGE
7621.	10.88	1.51	1.19	1.19	1.21	1.19	1.19	1.22	1.22	1.24	.00	1.21	
7667.	11.02	1.52	1.21	1.11	1.23	1.20	1.21	1.23	1.24	1.24	.00	1.24	
7695.	10.93	1.53	1.20	1.20	1.22	1.19	1.20	1.22	1.23	1.24	.00	1.22	
7727.	10.93	1.53	1.20	1.20	1.21	1.19	1.20	1.22	1.23	1.24	.00	1.22	
7759.	10.93	1.53	1.20	1.20	1.21	1.19	1.20	1.22	1.23	1.24	.00	1.22	
7845.	10.94	1.49	1.21	1.21	1.21	1.21	1.21	1.23	1.24	1.25	.00	1.23	
7877.	10.97	1.50	1.20	1.21	1.20	1.20	1.21	1.23	1.24	1.25	.00	1.23	
7909.	10.97	1.49	1.20	1.21	1.20	1.20	1.21	1.23	1.24	1.25	.00	1.23	
7943.	10.92	1.51	1.20	1.21	1.20	1.20	1.20	1.22	1.23	1.24	.00	1.22	
7967.	10.93	1.50	1.20	1.21	1.21	1.20	1.20	1.22	1.23	1.24	.00	1.22	
8007.	10.92	1.52	1.20	1.20	1.21	1.19	1.20	1.22	1.23	1.24	.00	1.22	
8029.	10.92	1.53	1.20	1.20	1.22	1.19	1.20	1.21	1.23	1.23	.00	1.22	
		.86											
7587.	13.94	.56	1.54	1.53	1.57	1.54	1.52	1.59	1.54	1.56	.00	1.53	END OF CHARGE
7621.	13.97	.47	1.55	1.54	1.61	1.53	1.50	1.66	1.52	1.54	.00	1.51	
7667.	13.89	.55	1.54	1.49	1.56	1.54	1.52	1.58	1.54	1.56	.00	1.53	
7695.	13.89	.56	1.54	1.53	1.57	1.54	1.51	1.59	1.54	1.56	.00	1.52	
7727.	13.89	.58	1.54	1.53	1.55	1.54	1.51	1.58	1.54	1.56	.00	1.52	
7759.	13.89	.59	1.54	1.53	1.53	1.54	1.52	1.59	1.54	1.56	.00	1.53	
7845.	13.90	.56	1.56	1.54	1.51	1.56	1.53	1.59	1.56	1.58	.00	1.54	
7877.	13.89	.58	1.55	1.54	1.47	1.56	1.53	1.59	1.55	1.57	.00	1.54	
7909.	13.88	.58	1.55	1.53	1.48	1.56	1.53	1.57	1.55	1.57	.00	1.54	
7943.	13.87	.52	1.55	1.54	1.49	1.54	1.52	1.63	1.54	1.56	.00	1.53	
7967.	13.86	.55	1.54	1.53	1.54	1.55	1.52	1.58	1.54	1.56	.00	1.53	
8007.	13.87	.55	1.54	1.53	1.53	1.54	1.52	1.61	1.54	1.56	.00	1.53	
8029.	13.87	.58	1.54	1.52	1.54	1.54	1.51	1.59	1.54	1.55	.00	1.52	

PACK NO. 50 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
SONOTONE 5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7610.	11.57	2.48	1.09	1.18	1.14	1.11	1.12	1.18	1.18	1.20	1.18	1.17	END OF DISCHARGE
7654.	11.64	2.50	1.11	1.09	1.16	1.12	1.12	1.20	1.19	1.19	1.20	1.19	
7690.	11.58	2.51	1.11	1.18	1.15	1.12	1.10	1.19	1.19	1.20	1.18	1.17	
7724.	11.54	2.51	1.10	1.18	1.15	1.12	1.07	1.19	1.19	1.20	1.18	1.18	
7754.	11.51	2.50	1.11	1.09	1.16	1.12	.99	1.20	1.20	1.19	1.20	1.19	
7812.	14.82	2.37	1.52	1.46	1.49	1.52	1.47	1.47	1.46	1.49	1.45	1.47	
7866.	11.70	2.50	1.11	1.18	1.16	1.13	1.16	1.19	1.19	1.21	1.19	1.19	
7898.	11.23	2.50	1.11	1.18	1.16	1.13	1.16	1.19	1.19	1.20	1.18	1.18	
7930.	11.16	2.50	1.09	1.18	1.15	1.12	1.15	1.18	1.18	1.20	1.18	1.17	
7994.	11.80	2.50	1.12	1.20	1.17	1.14	1.16	1.21	1.21	1.22	1.20	1.19	
8018.	11.80	2.50	1.12	1.19	1.17	1.14	1.15	1.20	1.20	1.22	1.20	1.19	
		1.44											
7610.	15.30	.66	1.54	1.47	1.55	1.52	1.53	1.53	1.47	1.56	1.48	1.67	END OF CHARGE
7654.	15.30	.69	1.52	1.43	1.54	1.52	1.50	1.53	1.48	1.55	1.49	1.68	
7690.	15.27	.71	1.53	1.48	1.54	1.52	1.48	1.53	1.48	1.55	1.48	1.67	
7724.	15.26	.72	1.53	1.48	1.54	1.52	1.45	1.53	1.48	1.56	1.49	1.67	
7754.	15.26	.73	1.53	1.45	1.54	1.52	1.43	1.53	1.48	1.54	1.49	1.68	
7812.	15.26	1.19	1.53	1.48	1.54	1.53	1.44	1.53	1.48	1.56	1.49	1.68	
7866.	15.53	.78	1.54	1.50	1.56	1.55	1.52	1.56	1.50	1.59	1.51	1.70	
7898.	15.55	.79	1.54	1.49	1.56	1.54	1.55	1.56	1.50	1.58	1.50	1.69	
7930.	15.52	.45	1.48	1.44	1.47	1.47	1.47	1.46	1.44	1.48	1.44	1.48	
7994.	15.41	.70	1.53	1.49	1.54	1.53	1.53	1.56	1.49	1.59	1.50	1.68	
8018.	15.40	.71	1.53	1.49	1.54	1.53	1.53	1.54	1.49	1.57	1.49	1.68	

PACK NO. 1 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
SONOTONE 5 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7460.	8.66	2.49	.00	1.17	1.13	.00	1.05	.67	1.17	1.17	1.15	1.14	END OF DISCHARGE
7494.	8.79	2.49	.00	1.18	1.14	.00	1.06	.77	1.17	1.18	1.16	1.15	
7568.	8.56	2.50	.00	1.17	1.12	.00	1.04	.64	1.16	1.16	1.14	1.13	
7600.	8.59	2.50	.00	1.17	1.13	.00	1.04	.65	1.16	1.17	1.14	1.13	
7632.	8.45	2.49	.00	1.16	1.12	.00	1.04	.51	1.16	1.16	1.15	1.13	
7651.	8.32	2.49	.00	1.16	1.12	.00	1.04	.40	1.16	1.16	1.14	1.13	
7718.	8.59	2.52	.00	1.18	1.14	.00	1.06	.64	1.17	1.17	1.15	1.14	
7750.	8.45	2.52	.00	1.18	1.13	.00	1.06	.44	1.17	1.17	1.15	1.14	
7782.	7.96	2.49	.00	1.17	1.12	.00	1.05	.03	1.16	1.16	1.14	1.13	
		1.56											
7460.	11.83	1.45	.00	1.45	1.46	.00	1.51	1.49	1.47	1.49	1.48	1.48	END OF CHARGE
7494.	11.87	1.46	.00	1.46	1.47	.00	1.52	1.50	1.48	1.50	1.49	1.49	
7568.	11.86	1.45	.00	1.45	1.47	.00	1.52	1.50	1.48	1.50	1.48	1.48	
7600.	11.86	1.47	.00	1.45	1.46	.00	1.52	1.50	1.48	1.49	1.48	1.48	
7632.	11.86	1.48	.00	1.45	1.47	.00	1.52	1.50	1.48	1.50	1.48	1.48	
7651.	11.87	1.43	.00	1.45	1.46	.00	1.52	1.50	1.48	1.50	1.49	1.49	
7718.	11.82	1.40	.00	1.46	1.47	.00	1.52	1.50	1.48	1.50	1.48	1.49	
7750.	11.82	1.32	.00	1.45	1.46	.00	1.51	1.49	1.48	1.50	1.48	1.48	
7782.	11.82	1.27	.00	1.45	1.46	.00	1.51	1.49	1.48	1.50	1.48	1.48	

PACK NO. 25 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
SONOTONE 5 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7098.	9.08	1.49	1.12	1.12	1.14	.00	.00	1.05	1.17	1.18	1.14	1.16	END OF DISCHARGE
7130.	9.04	1.50	1.12	1.12	1.13	.00	.00	1.03	1.17	1.17	1.13	1.15	
7162.	9.05	1.49	1.12	1.12	1.13	.00	.00	1.04	1.17	1.17	1.13	1.15	
7181.	9.09	1.48	1.12	1.13	1.14	.00	.00	1.05	1.17	1.18	1.14	1.16	
7248.	9.01	1.50	1.11	1.13	1.14	.00	.00	1.04	1.17	1.18	1.13	1.15	
7280.	9.10	1.51	1.12	1.13	1.14	.00	.00	1.06	1.18	1.18	1.14	1.16	
7312.	8.99	1.48	1.11	1.12	1.13	.00	.00	1.04	1.16	1.17	1.13	1.14	
7346.	8.84	1.50	1.08	1.11	1.11	.00	.00	1.00	1.15	1.16	1.11	1.13	
7370.	8.82	1.50	1.08	1.11	1.11	.00	.00	.99	1.15	1.16	1.11	1.12	
7410.	8.86	1.51	1.09	1.11	1.12	.00	.00	1.01	1.15	1.16	1.11	1.12	
7432.	8.87	1.50	1.08	1.11	1.11	.00	.00	1.01	1.15	1.15	1.11	1.12	
		1.20											
7098.	11.65	.65	1.44	1.42	1.43	.00	.00	1.47	1.41	1.44	1.42	1.62	END OF CHARGE
7130.	11.66	.63	1.44	1.42	1.43	.00	.00	1.48	1.41	1.44	1.42	1.62	
7162.	11.68	.61	1.44	1.43	1.43	.00	.00	1.48	1.42	1.45	1.42	1.63	
7181.	11.66	.57	1.44	1.42	1.43	.00	.00	1.47	1.41	1.45	1.42	1.62	
7248.	11.65	.56	1.45	1.43	1.43	.00	.00	1.48	1.42	1.45	1.43	1.63	
7280.	11.66	.56	1.44	1.43	1.42	.00	.00	1.47	1.41	1.45	1.42	1.62	
7312.	11.63	.61	1.44	1.42	1.42	.00	.00	1.47	1.41	1.44	1.42	1.62	
7346.	11.61	.47	1.44	1.42	1.42	.00	.00	1.47	1.41	1.44	1.42	1.61	
7370.	11.63	.46	1.44	1.42	1.42	.00	.00	1.47	1.41	1.45	1.42	1.62	
7410.	11.60	.55	1.44	1.42	1.42	.00	.00	1.46	1.41	1.44	1.42	1.61	
7432.	11.61	.55	1.44	1.42	1.42	.00	.00	1.46	1.41	1.44	1.41	1.61	

PACK NO. 53 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
SONOTONE 5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3663.	12.46	1.50	1.22	1.24	1.24	1.25	1.25	1.25	1.25	1.26	1.26	1.25	END OF DISCHARGE
3704.	12.41	1.50	1.22	1.23	1.24	1.24	1.24	1.24	1.24	1.25	1.25	1.24	
3736.	12.45	1.50	1.22	1.17	1.24	1.24	1.25	1.25	1.24	1.24	1.25	1.25	
3778.	12.40	1.50	1.21	1.23	1.24	1.24	1.24	1.24	1.24	1.26	1.24	1.23	
3811.	12.37	1.50	1.21	1.23	1.24	1.24	1.24	1.24	1.24	1.25	1.25	1.23	
3840.	12.10	1.50	1.19	1.20	1.21	1.21	1.21	1.22	1.21	1.22	1.22	1.20	
3871.	12.50	1.50	1.22	1.24	1.25	1.25	1.25	1.25	1.25	1.26	1.26	1.25	
		.35											
3663.	15.30	.23	1.53	1.52	1.50	1.55	1.52	1.48	1.55	1.66	1.53	1.47	END OF CHARGE
3704.	15.34	.21	1.53	1.52	1.50	1.56	1.52	1.48	1.55	1.66	1.53	1.51	
3736.	15.36	.22	1.52	1.51	1.50	1.55	1.51	1.47	1.55	1.67	1.53	1.55	
3778.	15.41	.20	1.53	1.52	1.51	1.56	1.52	1.48	1.56	1.66	1.54	1.55	
3811.	15.39	.19	1.52	1.51	1.50	1.56	1.52	1.48	1.56	1.68	1.53	1.56	
3840.	14.18	.20	1.44	1.44	1.45	1.40	1.41	1.43	1.41	1.43	1.40	1.39	
3871.	15.72	.26	1.53	1.54	1.53	1.59	1.55	1.51	1.58	1.68	1.57	1.63	

PACK NO. 54 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
SONOTONE 5 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3643.	11.62	2.51	1.18	1.15	1.01	1.15	1.19	1.18	1.18	1.20	1.19	1.19	END OF DISCHARGE
3694.	11.61	2.50	1.17	1.15	1.02	1.14	1.19	1.18	1.17	1.20	1.19	1.19	
3763.	11.57	2.50	1.17	1.14	1.00	1.14	1.18	1.18	1.17	1.19	1.18	1.18	
3806.	11.55	2.50	1.18	1.15	.99	1.15	1.19	1.19	1.18	1.20	1.19	1.19	
3838.	11.62	2.51	1.17	1.15	1.01	1.15	1.19	1.19	1.17	1.20	1.19	1.19	
3898.	11.72	2.51	1.18	1.15	1.04	1.16	1.20	1.19	1.18	1.20	1.20	1.20	
		.58											
3643.	15.65	.41	1.51	1.54	1.54	1.52	1.53	1.63	1.68	1.70	1.53	1.52	END OF CHARGE
3694.	15.70	.39	1.50	1.56	1.60	1.51	1.52	1.64	1.68	1.68	1.52	1.50	
3763.	15.58	.40	1.50	1.47	1.55	1.52	1.53	1.61	1.65	1.63	1.53	1.51	
3806.	15.57	.33	1.51	1.55	1.57	1.52	1.53	1.61	1.67	1.67	1.53	1.51	
3838.	15.50	.35	1.50	1.53	1.54	1.51	1.51	1.60	1.66	1.67	1.51	1.50	
3898.	15.49	.40	1.50	1.53	1.54	1.52	1.52	1.59	1.62	1.65	1.52	1.51	

19

PACK NO. 5 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
SONOTONE 5 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3676.	11.35	2.51	1.16	.98	1.05	1.16	1.16	1.16	1.17	1.18	1.17	1.16	END OF DISCHARGE
3717.	11.12	2.51	1.13	.92	1.05	1.14	1.14	1.14	1.16	1.15	1.15	1.14	
3749.	11.26	2.51	1.15	.86	1.06	1.15	1.16	1.16	1.17	1.16	1.17	1.15	
3791.	11.13	2.51	1.14	.86	1.05	1.15	1.15	1.15	1.16	1.16	1.16	1.14	
3824.	11.05	2.49	1.14	.82	1.04	1.14	1.15	1.15	1.16	1.16	1.16	1.14	
3853.	10.87	2.49	1.14	.74	1.01	1.13	1.14	1.14	1.16	1.15	1.16	1.13	
3884.	10.68	2.49	1.12	.67	.99	1.11	1.13	1.13	1.15	1.11	1.14	1.11	
		.62											
3676.	14.27	.62	1.42	1.44	1.44	1.42	1.42	1.43	1.43	1.45	1.42	1.42	END OF CHARGE
3717.	14.21	.62	1.41	1.44	1.43	1.42	1.41	1.42	1.42	1.44	1.41	1.41	
3749.	14.25	.62	1.41	1.44	1.43	1.42	1.42	1.42	1.42	1.44	1.41	1.41	
3791.	14.26	.62	1.42	1.44	1.43	1.42	1.42	1.43	1.42	1.44	1.42	1.42	
3824.	14.27	.61	1.42	1.45	1.44	1.42	1.42	1.43	1.42	1.44	1.42	1.42	
3853.	14.27	.61	1.42	1.45	1.44	1.42	1.42	1.43	1.43	1.45	1.42	1.42	
3884.	14.03	.34	1.39	1.41	1.41	1.40	1.39	1.40	1.40	1.42	1.39	1.40	

PACK NO. 6 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C
SONOTONE 5 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 4.00	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3543.	7.56	4.03	1.13	1.13	1.14	.00	1.14	1.09	1.09	.00	.85	.00	END OF
3594.	7.55	3.99	1.14	1.13	1.14	.00	1.14	1.10	1.06	.00	.82	.00	DISCHARGE
3663.	7.13	3.98	1.12	1.11	1.12	.00	1.13	1.06	1.01	.00	.57	.00	
3706.	7.25	3.97	1.14	1.13	1.14	.00	1.14	1.09	1.02	.00	.64	.00	
3738.	7.21	3.94	1.13	1.12	1.13	.00	1.14	1.08	1.00	.00	.60	.00	
3798.	6.54	3.93	1.12	1.11	1.13	.00	1.13	1.06	.99	.00	.04	.00	
		1.00											
3543.	10.94	.93	1.48	1.64	1.47	.00	1.63	1.47	1.63	.00	1.61	.00	END OF
3594.	10.82	.96	1.48	1.63	1.47	.00	1.63	1.47	1.50	.00	1.61	.00	CHARGE
3663.	10.86	.73	1.48	1.57	1.46	.00	1.62	1.47	1.58	.00	1.59	.00	
3706.	10.70	.71	1.48	1.59	1.47	.00	1.62	1.47	1.52	.00	1.59	.00	
3738.	10.61	.66	1.47	1.55	1.45	.00	1.58	1.46	1.51	.00	1.57	.00	
3798.	10.76	.67	1.47	1.59	1.46	.00	1.60	1.47	1.59	.00	1.57	.00	

PACK NO. 29
SONOTONE 5 A.H.

DEPTH OF DISCHARGE 15
PERCENT OF RECHARGE 160

TEST TEMPERATURE 40 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3605.	10.27	1.51	.00	1.19	1.18	1.12	1.16	1.15	1.15	1.01	1.13	1.18	END OF DISCHARGE
3646.	10.22	1.51	.00	1.19	1.18	1.12	1.15	1.15	1.14	.99	1.12	1.17	
3695.	10.41	1.49	.00	1.20	1.19	1.17	1.18	1.16	1.17	1.01	1.13	1.18	
3728.	10.34	1.48	.00	1.20	1.19	1.15	1.17	1.16	1.17	1.00	1.13	1.18	
3757.	9.95	1.48	.00	1.18	1.16	1.01	1.16	1.10	1.15	.93	1.11	1.17	
3788.	10.35	1.49	.00	1.20	1.19	1.18	1.17	1.17	1.15	.96	1.13	1.18	
		.48											
3605.	12.61	.47	.00	1.40	1.38	1.37	1.41	1.39	1.40	1.46	1.41	1.40	END OF CHARGE
3646.	12.59	.47	.00	1.40	1.38	1.37	1.40	1.39	1.40	1.46	1.41	1.39	
3695.	12.55	.47	.00	1.39	1.38	1.37	1.40	1.38	1.40	1.45	1.40	1.39	
3728.	12.50	.47	.00	1.39	1.37	1.37	1.39	1.38	1.40	1.45	1.40	1.39	
3757.	12.48	.33	.00	1.39	1.37	1.36	1.40	1.37	1.40	1.45	1.40	1.39	
3788.	12.50	.47	.00	1.38	1.37	1.37	1.39	1.37	1.39	1.44	1.40	1.38	

69

PACK NO. 30 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
SONOTONE 5 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3454.	7.47	2.55	.97	1.11	1.11	.00	1.09	1.13	.00	.96	.00	1.09	END O.
3505.	7.53	2.53	.99	1.11	1.11	.00	1.09	1.13	.00	.96	.00	1.11	DISCHARGE
3617.	7.66	2.52	1.05	1.13	1.14	.00	1.11	1.16	.00	1.02	.00	1.11	
3624.	7.04	2.47	.87	1.08	1.10	.00	1.08	1.13	.00	.67	.00	1.09	
3684.	6.05	2.43	.90	1.01	1.10	.00	1.08	1.11	.00	.15	.00	.95	
		.80											
3454.	10.17	.55	1.41	1.44	1.49	.00	1.49	1.45	.00	1.43	.00	1.47	END OF
3505.	10.18	.55	1.41	1.43	1.49	.00	1.47	1.45	.00	1.42	.00	1.50	CHARGE
3617.	10.15	.62	1.41	1.44	1.53	.00	1.47	1.47	.00	1.43	.00	1.47	
3624.	10.17	.61	1.40	1.42	1.51	.00	1.46	1.48	.00	1.41	.00	1.48	
3684.	9.96	.54	1.39	1.39	1.48	.00	1.43	1.44	.00	1.40	.00	1.41	

04

PACK NO. 61 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GULTON 6 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.80	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
6727.	6.79	1.80	.79	1.22	1.13	.00	.00	.00	1.21	1.22	1.22	.00	END OF
6761.	6.80	1.81	.84	1.21	1.11	.00	.00	.00	1.20	1.22	1.22	.00	DISCHARGE
6835.	6.69	1.80	.73	1.21	1.11	.00	.00	.00	1.20	1.22	1.22	.00	
6867.	6.68	1.81	.72	1.21	1.10	.00	.00	.00	1.20	1.21	1.22	.00	
6899.	6.67	1.81	.72	1.21	1.10	.00	.00	.00	1.20	1.21	1.22	.00	
6985.	6.63	1.80	.71	1.22	1.09	.00	.00	.00	1.21	1.22	1.22	.00	
7017.	6.75	1.80	.77	1.22	1.10	.00	.00	.00	1.21	1.22	1.22	.00	
7049.	6.66	1.80	.72	1.21	1.09	.00	.00	.00	1.21	1.21	1.22	.00	
7107.	6.63	1.80	.70	1.22	1.08	.00	.00	.00	1.20	1.22	1.22	.00	
7147.	6.56	1.80	.69	1.11	1.10	.00	.00	.00	1.21	1.22	1.22	.00	
7169.	6.60	1.80	.69	1.15	1.09	.00	.00	.00	1.21	1.22	1.22	.00	
		1.04											
6727.	9.25	.50	1.65	1.51	1.50	.00	.00	.00	1.51	1.50	1.59	.00	END OF
6761.	9.25	.48	1.65	1.50	1.50	.00	.00	.00	1.49	1.49	1.62	.00	CHARGE
6835.	9.23	.48	1.65	1.51	1.49	.00	.00	.00	1.50	1.50	1.58	.00	
6867.	9.23	.49	1.65	1.50	1.49	.00	.00	.00	1.50	1.50	1.59	.00	
6899.	9.23	.50	1.65	1.50	1.48	.00	.00	.00	1.51	1.50	1.59	.00	
6985.	9.23	.46	1.67	1.51	1.49	.00	.00	.00	1.51	1.51	1.59	.00	
7017.	9.22	.51	1.66	1.50	1.48	.00	.00	.00	1.50	1.50	1.58	.00	
7049.	9.23	.47	1.66	1.50	1.48	.00	.00	.00	1.51	1.50	1.59	.00	
7107.	9.26	.50	1.68	1.51	1.49	.00	.00	.00	1.51	1.51	1.58	.00	
7147.	9.24	.56	1.71	1.32	1.50	.00	.00	.00	1.53	1.53	1.67	.00	
7169.	9.25	.57	1.70	1.37	1.51	.00	.00	.00	1.52	1.52	1.61	.00	

PACK NO. 62 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GULTON 6 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.00	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
7207.	8.31	3.02	1.19	1.18	1.17	.00	.00	1.17	1.19	1.20	1.20	.00	END OF
7240.	8.28	3.03	1.19	1.18	1.17	.00	.00	1.17	1.19	1.20	1.19	.00	DISCHARGE
7320.	8.26	3.03	1.19	1.17	1.16	.00	.00	1.16	1.18	1.19	1.19	.00	
7354.	8.25	3.03	1.19	1.17	1.16	.00	.00	1.16	1.18	1.19	1.19	.00	
7384.	8.31	3.01	1.20	1.09	1.17	.00	.00	1.17	1.19	1.19	1.20	.00	
7442.	8.23	3.01	1.19	1.17	1.16	.00	.00	1.16	1.18	1.19	1.19	.00	
7464.	8.16	3.01	1.19	1.17	1.16	.00	.00	1.15	1.17	1.19	1.19	.00	
7496.	8.21	2.99	1.19	1.17	1.16	.00	.00	1.15	1.17	1.19	1.19	.00	
7528.	8.24	3.01	1.19	1.17	1.16	.00	.00	1.16	1.18	1.19	1.19	.00	
7560.	8.20	3.01	1.19	1.17	1.16	.00	.00	1.15	1.17	1.19	1.19	.00	
7592.	8.19	3.02	1.18	1.17	1.15	.00	.00	1.15	1.17	1.19	1.18	.00	
7624.	8.18	3.02	1.18	1.17	1.15	.00	.00	1.15	1.16	1.19	1.19	.00	
7648.	8.21	3.01	1.19	1.17	1.16	.00	.00	1.16	1.17	1.19	1.19	.00	
		1.72											
7207.	10.96	.83	1.55	1.63	1.55	.00	.00	1.64	1.53	1.55	1.51	.00	END OF
7240.	10.98	.81	1.55	1.62	1.56	.00	.00	1.68	1.53	1.55	1.51	.00	CHARGE
7320.	10.98	.78	1.55	1.62	1.56	.00	.00	1.66	1.54	1.55	1.51	.00	
7354.	11.00	.76	1.55	1.63	1.56	.00	.00	1.66	1.54	1.55	1.51	.00	
7384.	11.00	.80	1.55	1.63	1.55	.00	.00	1.66	1.54	1.54	1.51	.00	
7442.	10.99	.77	1.55	1.63	1.55	.00	.00	1.67	1.54	1.55	1.51	.00	
7464.	10.98	.72	1.55	1.68	1.57	.00	.00	1.64	1.54	1.56	1.51	.00	
7496.	10.96	.82	1.55	1.60	1.56	.00	.00	1.66	1.54	1.56	1.51	.00	
7528.	10.98	.79	1.55	1.62	1.55	.00	.00	1.65	1.54	1.56	1.51	.00	
7560.	10.85	.76	1.55	1.57	1.56	.00	.00	1.61	1.53	1.56	1.51	.00	
7592.	10.86	.73	1.54	1.57	1.55	.00	.00	1.62	1.53	1.55	1.50	.00	
7624.	10.86	.71	1.54	1.58	1.56	.00	.00	1.63	1.52	1.56	1.50	.00	
7648.	10.87	.70	1.54	1.58	1.55	.00	.00	1.62	1.53	1.55	1.50	.00	

PACK NO. 47 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
GU. 6 A.H. 3RD ELECTRODE R-11 47 12 36 47- ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.00	3RD ELECT VOLTAGES 1	2	3	4	5	CELL VOLTAGES 1	2	3	4	5	AH OUT	
25.	6.02	2.91	.031	.018	.033	.017	.021	1.25	1.26	1.26	1.25	1.25	1.444	END OF
47.	6.01	2.95	.297	.167	.345	.170	.205	1.24	1.24	1.24	1.24	1.24	1.512	DISCHARGE
66.	5.97	3.01	.192	.169	.263	.179	.202	1.24	1.24	1.24	1.24	1.24	1.533	
103.	5.93	2.99	.188	.178	.281	.191	.208	1.23	1.24	1.24	1.23	1.23	1.503	
175.	6.06	2.91	.210	.236	.426	.258	.300	1.25	1.26	1.26	1.25	1.25	1.537	
181.	6.06	2.94	.169	.190	.347	.215	.236	1.26	1.26	1.26	1.25	1.25	1.504	
198.	5.93	2.99	.171	.188	.207	.200	.225	1.23	1.24	1.24	1.23	1.23	1.508	
218.	5.89	2.99	.162	.178	.195	.192	.211	1.22	1.23	1.23	1.22	1.22	1.507	
25.	6.80	.10	.029	.029	.028	.034	.030	1.41	1.41	1.42	1.41	1.41		TRIP
47.	6.86	.25	.272	.269	.273	.321	.291	1.41	1.42	1.42	1.41	1.41		POINT
66.	6.88	.37	.172	.278	.215	.326	.273	1.42	1.43	1.43	1.42	1.42		
103.	6.96	1.95	.171	.266	.213	.314	.263	1.44	1.44	1.45	1.44	1.44		
175.	6.80	.07	.188	.338	.280	.353	.347	1.40	1.41	1.41	1.40	1.40		
181.	6.91	.45	.171	.291	.265	.329	.329	1.43	1.44	1.44	1.43	1.43		
198.	6.76	.08	.174	.335	.173	.334	.333	1.40	1.40	1.40	1.40	1.40		
218.	6.75	.07	.172	.349	.179	.344	.332	1.40	1.40	1.40	1.40	1.40		
25.	6.69	.06	.035	.036	.037	.038	.036	1.39	1.39	1.39	1.38	1.39	AH IN 1.820	END OF
47.	6.70	.05	.342	.368	.395	.381	.369	1.38	1.38	1.38	1.38	1.38	1.844	CHARGE
66.	6.67	.05	.234	.361	.297	.386	.357	1.38	1.39	1.39	1.38	1.38	1.863	
103.	6.63	.05	.238	.399	.316	.382	.372	1.37	1.38	1.38	1.37	1.37	1.823	
175.	6.75	.05	.214	.403	.326	.407	.391	1.40	1.40	1.40	1.39	1.39	1.734	
181.	6.72	.05	.239	.438	.375	.432	.423	1.39	1.40	1.40	1.39	1.39	1.806	
198.	6.62	.05	.238	.422	.227	.411	.411	1.37	1.38	1.37	1.37	1.37	1.808	
218.	6.61	.05	.238	.417	.229	.407	.412	1.37	1.38	1.38	1.37	1.37	1.791	

PACK NO. 65 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GULTON 6 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 1.80	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3795.	12.32	1.81	1.23	1.24	1.23	1.24	1.24	1.27	1.21	1.25	1.24	1.18	END OF DISCHARGE
3836.	12.31	1.82	1.23	1.23	1.23	1.23	1.23	1.27	1.21	1.24	1.23	1.18	
3868.	12.34	1.82	1.23	1.15	1.23	1.24	1.24	1.27	1.21	1.23	1.25	1.19	
3910.	12.30	1.82	1.23	1.24	1.23	1.24	1.23	1.26	1.21	1.24	1.24	1.18	
3943.	12.26	1.81	1.23	1.24	1.22	1.24	1.23	1.25	1.21	1.24	1.24	1.18	
3972.	12.08	1.80	1.21	1.22	1.21	1.22	1.21	1.21	1.19	1.23	1.22	1.16	
4003.	12.33	1.82	1.23	1.24	1.23	1.24	1.24	1.26	1.21	1.24	1.24	1.18	
		.41											
3795.	15.45	.32	1.60	1.60	1.53	1.52	1.50	1.42	1.62	1.52	1.49	1.64	END OF CHARGE
3836.	15.48	.32	1.60	1.59	1.53	1.52	1.50	1.48	1.62	1.51	1.49	1.65	
3868.	15.55	.31	1.61	1.61	1.53	1.52	1.50	1.48	1.63	1.52	1.49	1.65	
3910.	15.49	.31	1.60	1.60	1.53	1.52	1.50	1.49	1.61	1.52	1.49	1.64	
3943.	15.44	.28	1.60	1.60	1.52	1.52	1.50	1.45	1.62	1.51	1.49	1.65	
3972.	14.57	.26	1.48	1.49	1.48	1.48	1.40	1.37	1.47	1.48	1.46	1.47	
4003.	15.24	.32	1.55	1.55	1.52	1.52	1.50	1.45	1.57	1.51	1.49	1.57	

PACK NO. 66 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GULTON 6 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 3.00	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3465.	5.84	3.03	1.17	1.19	.00	1.10	.00	.00	.00	.00	1.19	1.21	END OF DISCHARGE
3516.	5.78	3.02	1.16	1.19	.00	1.07	.00	.00	.00	.00	1.17	1.19	
3585.	5.68	3.02	1.16	1.19	.00	.99	.00	.00	.00	.00	1.17	1.13	
3628.	5.69	3.02	1.17	1.20	.00	1.00	.00	.00	.00	.00	1.18	1.19	
3660.	5.69	3.02	1.16	1.19	.00	1.00	.00	.00	.00	.00	1.18	1.18	
3720.	5.80	3.03	1.16	1.19	.00	1.07	.00	.00	.00	.00	1.18	1.20	
		.69											
3465.	7.82	.66	1.59	1.59	.00	1.55	.00	.00	.00	.00	1.58	1.53	END OF CHARGE
3516.	7.80	.66	1.59	1.61	.00	1.54	.00	.00	.00	.00	1.56	1.50	
3585.	7.86	.66	1.59	1.59	.00	1.54	.00	.00	.00	.00	1.58	1.53	
3628.	7.85	.66	1.60	1.61	.00	1.56	.00	.00	.00	.00	1.60	1.54	
3660.	7.74	.60	1.57	1.57	.00	1.54	.00	.00	.00	.00	1.57	1.51	
3720.	7.80	.69	1.59	1.59	.00	1.55	.00	.00	.00	.00	1.60	1.47	

PACK NO. 42 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
GULTON 6 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 3.00	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
3358.	6.27	2.96	.00	1.12	1.05	.99	1.14	.89	.00	.00	.00	1.06	END OF
3427.	5.95	2.93	.00	1.07	1.01	.89	1.09	.82	.00	.00	.00	1.05	DISCHARGE
3477.	5.58	3.01	.00	1.06	.92	.90	1.04	.67	.00	.00	.00	.98	
3537.	5.86	2.91	.00	1.11	.92	.94	1.10	.74	.00	.00	.00	1.02	
		.96											
3358.	9.09	.80	.00	1.54	1.48	1.50	1.44	1.56	.00	.00	.00	1.54	END OF
3427.	9.01	.61	.00	1.43	1.49	1.49	1.43	1.53	.00	.00	.00	1.56	CHARGE
3477.	8.78	.69	.00	1.43	1.49	1.49	1.42	1.46	.00	.00	.00	1.47	
3537.	8.73	.90	.00	1.45	1.42	1.48	1.42	1.49	.00	.00	.00	1.46	

PACK NO. 110
G.E. 12 A.H.

DEPTH OF DISCHARGE 15
PERCENT OF RECHARGE 115

TEST TEMPERATURE 0 C
ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.60	CELL VOLTAGES 1	2	3	4	5	
7310.	6.32	3.55	1.27	1.27	1.25	1.27	1.27	END OF DISCHARGE
7338.	6.21	3.56	1.25	1.25	1.25	1.24	1.25	
7370.	6.23	3.66	1.24	1.24	1.24	1.24	1.24	
7402.	6.22	3.64	1.24	1.24	1.24	1.23	1.24	
7488.	6.20	3.58	1.24	1.25	1.25	1.24	1.24	
7520.	6.21	3.59	1.25	1.25	1.25	1.25	1.25	
7552.	6.20	3.58	1.25	1.24	1.25	1.24	1.25	
7586.	6.19	3.59	1.24	1.24	1.25	1.24	1.24	
7610.	6.21	3.59	1.24	1.24	1.24	1.24	1.24	
7650.	6.21	3.61	1.24	1.24	1.25	1.24	1.24	
7672.	6.20	3.62	1.24	1.24	1.24	1.24	1.24	
		2.07						
7310.	7.72	1.10	1.56	1.55	1.54	1.54	1.53	END OF CHARGE
7338.	7.71	.97	1.56	1.56	1.53	1.54	1.53	
7370.	7.70	1.09	1.56	1.56	1.52	1.54	1.52	
7402.	7.69	1.05	1.56	1.55	1.52	1.54	1.51	
7488.	7.68	.95	1.57	1.56	1.53	1.55	1.52	
7520.	7.70	1.04	1.57	1.56	1.53	1.55	1.52	
7552.	7.72	1.01	1.57	1.56	1.53	1.55	1.52	
7586.	7.70	1.05	1.57	1.56	1.53	1.54	1.52	
7610.	7.68	1.11	1.56	1.56	1.52	1.54	1.52	
7650.	7.75	1.07	1.58	1.57	1.53	1.55	1.53	
7672.	7.73	1.12	1.57	1.57	1.53	1.54	1.52	

PACK NO. 124 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
G.E. 12 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
7031.	5.91	6.11	1.20	1.20	1.14	1.20	1.19	END OF DISCHARGE
7077.	5.99	5.93	1.20	1.12	1.15	1.21	1.21	
7109.	5.92	5.91	1.20	1.20	1.14	1.20	1.19	
7105.	5.91	5.94	1.19	1.20	1.14	1.20	1.19	
7137.	5.93	5.91	1.20	1.20	1.14	1.20	1.19	
7255.	5.92	6.04	1.20	1.20	1.14	1.20	1.19	
7287.	5.93	6.05	1.19	1.20	1.14	1.20	1.18	
7319.	5.87	6.04	1.19	1.19	1.14	1.19	1.18	
7353.	5.89	6.05	1.19	1.19	1.14	1.19	1.18	
7377.	5.89	6.04	1.19	1.19	1.14	1.19	1.19	
7417.	5.89	6.05	1.18	1.19	1.14	1.19	1.18	
		3.45						
7031.	7.74	1.28	1.55	1.52	1.61	1.52	1.55	END OF CHARGE
7077.	7.73	1.34	1.55	1.52	1.62	1.51	1.56	
7105.	7.74	1.24	1.55	1.52	1.61	1.51	1.56	
7109.	7.78	1.25	1.56	1.52	1.63	1.51	1.58	
7137.	7.78	1.30	1.56	1.52	1.62	1.51	1.57	
7255.	7.81	1.25	1.58	1.53	1.64	1.51	1.61	
7287.	7.82	1.35	1.55	1.51	1.62	1.50	1.57	
7319.	7.74	1.28	1.55	1.50	1.63	1.50	1.58	
7353.	7.75	1.25	1.54	1.50	1.64	1.50	1.57	
7377.	7.72	1.35	1.55	1.50	1.62	1.50	1.57	
7417.	7.70	1.24	1.54	1.49	1.62	1.49	1.57	

PACK NO. 82 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
G.E. 12 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
7269.	5.58	5.88	1.17	.99	1.14	1.16	1.13	END OF DISCHARGE
7303.	5.56	5.92	1.18	.97	1.15	1.17	1.14	
7349.	5.50	5.89	1.18	.89	1.12	1.17	1.14	
7377.	5.30	5.88	1.16	.80	1.11	1.15	1.11	
7409.	5.29	5.84	1.16	.75	1.11	1.14	1.11	
7441.	5.16	5.71	1.16	.65	1.11	1.14	1.10	
7527.	4.95	5.59	1.17	.39	1.13	1.16	1.14	
7528.	4.82	5.85	1.22	.00	1.20	1.22	1.23	
7560.	4.63	5.73	1.18	.00	1.16	1.18	1.15	
7594.	4.12	5.86	1.11	.00	1.00	1.05	.99	
7618.	4.70	5.62	1.17	.00	1.18	1.18	1.18	
7658.	4.08	5.82	1.12	.00	.88	1.08	1.06	
7680.	4.69	5.73	1.18	.00	1.17	1.18	1.18	
		3.75						
7269.	7.33	3.70	1.49	1.45	1.46	1.47	1.45	END OF CHARGE
7303.	7.34	3.70	1.50	1.46	1.47	1.49	1.46	
7349.	7.34	3.60	1.50	1.46	1.47	1.48	1.45	
7377.	7.34	3.66	1.50	1.46	1.47	1.47	1.45	
7409.	7.33	3.68	1.49	1.45	1.46	1.47	1.44	
7441.	7.32	3.71	1.49	1.45	1.46	1.47	1.44	
7527.	7.33	3.71	1.50	1.46	1.47	1.49	1.45	
7528.	5.79	3.45	1.46	.00	1.45	1.45	1.45	
7560.	5.91	3.19	1.51	.00	1.48	1.48	1.46	
7594.	5.71	2.34	1.44	.00	1.44	1.44	1.42	
7618.	5.84	2.60	1.49	.00	1.47	1.47	1.44	
7658.	5.77	3.28	1.46	.00	1.45	1.45	1.44	
7680.	5.87	2.92	1.49	.00	1.47	1.47	1.45	

PACK NO. 85 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
G.E. 12 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.60	CELL VOLTAGES 1	2	3	4	5	
7102.	6.38	3.23	1.29	1.27	1.27	1.27	1.28	END OF
7181.	5.80	3.58	1.18	1.16	1.16	1.15	1.17	DISCHARGE
7255.	5.79	3.54	1.18	1.15	1.16	1.15	1.17	
7287.	5.78	3.55	1.18	1.16	1.16	1.14	1.16	
7341.	5.91	3.54	1.20	1.18	1.18	1.18	1.19	
7349.	5.88	3.48	1.20	1.17	1.18	1.18	1.19	
7413.	5.92	3.55	1.20	1.18	1.18	1.18	1.19	
7445.	5.76	3.46	1.18	1.14	1.15	1.15	1.17	
7477.	5.85	3.45	1.19	1.17	1.16	1.17	1.18	
7507.	5.78	3.60	1.18	1.16	1.15	1.15	1.16	
7533.	5.84	3.58	1.19	1.18	1.16	1.16	1.17	
		2.88						
7102.	7.14	2.80	1.43	1.42	1.45	1.42	1.42	END OF
7181.	7.20	2.83	1.45	1.44	1.47	1.44	1.43	CHARGE
7255.	7.20	2.80	1.45	1.43	1.47	1.44	1.43	
7287.	7.19	2.79	1.45	1.44	1.47	1.44	1.43	
7341.	7.21	2.54	1.45	1.44	1.47	1.44	1.44	
7349.	7.18	2.40	1.45	1.43	1.46	1.44	1.44	
7413.	7.20	2.67	1.45	1.43	1.47	1.44	1.44	
7445.	7.10	1.59	1.42	1.42	1.44	1.43	1.42	
7477.	7.09	1.94	1.42	1.42	1.44	1.42	1.42	
7507.	7.20	2.55	1.44	1.44	1.46	1.44	1.42	
7533.	7.14	2.85	1.44	1.43	1.44	1.43	1.43	

PACK NO. 111 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
G.E. 12 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 3.60	CELL VOLTAGES 1	2	3	4	5	
3602.	6.23	3.68	1.25	1.26	1.24	1.25	1.25	END OF DISCHARGE
3757.	6.18	3.65	1.25	1.25	1.24	1.25	1.24	
3789.	6.21	3.63	1.25	1.25	1.24	1.25	1.25	
3849.	6.21	3.67	1.24	1.25	1.23	1.25	1.24	
		.83						
3602.	7.30	.77	1.46	1.46	1.48	1.45	1.46	END OF CHARGE
3757.	7.85	.60	1.63	1.54	1.64	1.53	1.57	
3789.	7.77	.54	1.61	1.52	1.61	1.50	1.55	
3849.	7.86	.64	1.63	1.54	1.62	1.52	1.58	

PACK NO. 125
G.E. 12 A.H.

DEPTH OF DISCHARGE 25
PERCENT OF RECHARGE 115

TEST TEMPERATURE 0 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
3664.	6.00	6.00	1.20	1.20	1.20	1.20	1.20	END OF DISCHARGE
3771.	5.97	5.97	1.19	1.20	1.20	1.20	1.19	
3831.	5.96	6.04	1.19	1.19	1.19	1.19	1.19	
		1.38						
3664.	7.70	1.35	1.54	1.54	1.53	1.57	1.55	END OF CHARGE
3771.	7.69	.68	1.56	1.55	1.56	1.52	1.51	
3831.	7.70	.57	1.57	1.55	1.58	1.52	1.50	

PACK NO. 83
G.E. 12 A.H.

DEPTH OF DISCHARGE 25
PERCENT OF RECHARGE 125

TEST TEMPERATURE 25 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
3651.	5.63	6.05	1.13	1.13	1.13	1.13	1.11	END OF DISCHARGE
3771.	5.53	5.98	1.12	1.12	1.12	1.11	1.07	
3814.	5.62	5.99	1.15	1.15	1.15	1.14	1.11	
3847.	5.68	5.98	1.15	1.14	1.14	1.14	1.11	
3906.	5.54	6.06	1.12	1.12	1.11	1.11	1.06	
		1.50						
3651.	7.18	1.49	1.44	1.43	1.44	1.43	1.43	END OF CHARGE
3771.	7.15	1.51	1.43	1.41	1.43	1.42	1.42	
3814.	7.11	1.50	1.44	1.43	1.44	1.43	1.42	
3847.	7.17	1.51	1.44	1.43	1.43	1.43	1.42	
3906.	7.16	1.53	1.43	1.42	1.43	1.42	1.42	

28

PACK NO. 97
G.E. 12 A.H.

DEPTH OF DISCHARGE 40
PERCENT OF RECHARGE 125

TEST TEMPERATURE 25 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 9.60	CELL VOLTAGES 1	2	3	4	5	
3641.	5.44	9.01	1.11	1.05	1.09	1.06	1.10	END OF DISCHARGE
3804.	5.31	8.69	1.12	.95	1.09	1.10	1.11	
3836.	5.07	8.39	1.09	.75	1.06	1.07	1.09	
3894.	4.66	8.41	1.06	.47	.99	1.05	1.06	
		2.40						
3641.	7.64	2.42	1.51	1.49	1.60	1.53	1.52	END OF CHARGE
3804.	7.57	2.29	1.51	1.46	1.63	1.50	1.51	
3836.	7.52	2.23	1.48	1.43	1.62	1.50	1.49	
3894.	7.35	1.14	1.45	1.41	1.55	1.48	1.46	

28

PACK NO. 86
G.E. 12 A.H.

DEPTH OF DISCHARGE 15
PERCENT OF RECHARGE 160

TEST TEMPERATURE 40 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 3.60	CELL VOLTAGES 1	2	3	4	5	
3657.	5.64	3.56	1.15	1.11	1.12	1.14	1.12	END OF DISCHARGE
3666.	5.63	3.60	1.15	1.11	1.12	1.14	1.12	
3676.	5.67	3.55	1.15	1.12	1.13	1.14	1.13	
3710.	5.73	3.64	1.17	1.15	1.15	1.16	1.15	
3743.	5.69	3.61	1.16	1.13	1.14	1.15	1.13	
3774.	5.64	3.61	1.15	1.11	1.12	1.14	1.12	
3802.	5.59	3.58	1.14	1.10	1.11	1.14	1.12	
		1.15						
3657.	6.99	1.14	1.40	1.40	1.40	1.39	1.39	END OF CHARGE
3666.	6.97	1.14	1.40	1.40	1.40	1.40	1.39	
3676.	6.98	1.15	1.40	1.39	1.39	1.39	1.39	
3710.	7.01	1.16	1.40	1.40	1.40	1.40	1.40	
3743.	6.97	1.16	1.40	1.40	1.40	1.39	1.39	
3774.	6.90	1.17	1.38	1.38	1.38	1.38	1.38	
3802.	6.91	1.16	1.38	1.39	1.39	1.38	1.38	

PACK NO. 100 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
G.E. 12 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
3484.	5.53	5.96	1.13	1.12	1.12	1.09	1.10	END OF
3515.	5.50	5.96	1.12	1.12	1.12	1.08	1.09	DISCHARGE
3524.	5.50	5.97	1.12	1.12	1.11	1.08	1.09	
3596.	5.56	5.99	1.13	1.13	1.13	1.10	1.11	
3629.	5.49	5.96	1.12	1.11	1.11	1.09	1.10	
3660.	5.61	5.99	1.13	1.12	1.12	1.12	1.14	
3688.	5.41	5.96	1.12	1.10	1.10	1.05	1.07	
		1.92						
3484.	7.18	1.83	1.44	1.45	1.45	1.42	1.43	END OF
3515.	7.19	1.84	1.44	1.45	1.45	1.43	1.44	CHARGE
3524.	7.18	1.85	1.45	1.45	1.45	1.42	1.43	
3596.	7.23	1.84	1.44	1.45	1.45	1.43	1.44	
3629.	7.20	1.82	1.44	1.45	1.45	1.43	1.44	
3660.	7.08	1.94	1.42	1.43	1.43	1.41	1.42	
3688.	7.10	1.92	1.43	1.43	1.43	1.41	1.42	

PACK NO. 84 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GOULD 20 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
								END OF DISCHARGE
7294.	6.20	6.06	1.26	1.25	1.24	1.24	1.23	
7328.	6.12	6.04	1.24	1.23	1.22	1.22	1.22	
7416.	6.20	6.03	1.26	1.25	1.24	1.24	1.24	
7470.	6.14	6.00	1.24	1.24	1.23	1.23	1.22	
7502.	6.17	6.01	1.25	1.24	1.24	1.23	1.23	
7534.	6.09	6.06	1.23	1.23	1.22	1.22	1.21	
7566.	6.17	6.02	1.24	1.24	1.23	1.22	1.22	
7598.	6.21	6.03	1.25	1.24	1.24	1.23	1.23	
7622.	6.17	6.04	1.25	1.24	1.24	1.23	1.23	
		3.45						END OF CHARGE
7294.	7.95	3.03	1.61	1.57	1.61	1.57	1.59	
7328.	7.71	2.38	1.54	1.56	1.55	1.52	1.56	
7416.	7.89	2.79	1.58	1.59	1.60	1.56	1.59	
7470.	7.89	2.41	1.61	1.57	1.62	1.55	1.57	
7502.	7.84	2.61	1.58	1.57	1.59	1.55	1.57	
7534.	7.63	2.28	1.52	1.55	1.54	1.50	1.54	
7566.	7.84	2.78	1.56	1.59	1.58	1.54	1.57	
7598.	7.84	2.58	1.57	1.57	1.59	1.55	1.57	
7622.	7.83	2.66	1.56	1.57	1.58	1.55	1.57	

PACK NO. 98 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GOULD 20 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 10.00	CELL VOLTAGES 1	2	3	4	5	
								END OF DISCHARGE
7101.	4.56	9.92	1.09	1.20	1.13	1.16	.00	
7189.	4.62	9.81	1.09	1.20	1.14	1.17	.00	
7243.	4.52	9.97	1.08	1.19	1.13	1.16	.00	
7275.	4.53	9.97	1.07	1.20	1.13	1.17	.00	
7307.	4.35	8.33	1.00	1.17	1.09	1.12	.00	
7315.	4.61	9.94	1.10	1.21	1.15	1.18	.00	
		5.75						
								END OF CHARGE
7101.	6.22	3.83	1.58	1.52	1.56	1.59	.00	
7189.	6.24	3.34	1.58	1.52	1.56	1.58	.00	
7243.	6.18	3.81	1.57	1.51	1.56	1.58	.00	
7275.	6.16	3.89	1.57	1.51	1.55	1.57	.00	
7307.	6.00	5.59	1.55	1.46	1.50	1.52	.00	
7315.	6.17	2.99	1.57	1.52	1.55	1.57	.00	

PACK NO. 80 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GOULD 20 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
3627.	6.04	6.05	1.22	1.21	1.17	1.23	1.22	END OF
3668.	6.01	6.07	1.22	1.21	1.16	1.23	1.22	DISCHARGE
3700.	6.06	6.09	1.22	1.16	1.17	1.23	1.22	
3742.	6.02	6.07	1.22	1.21	1.17	1.23	1.22	
3775.	6.02	6.05	1.22	1.21	1.17	1.23	1.22	
3804.	6.09	6.06	1.24	1.21	1.19	1.24	1.23	
3835.	6.24	6.10	1.26	1.25	1.22	1.27	1.26	
		1.38						
3627.	7.25	1.06	1.43	1.46	1.48	1.43	1.43	END OF
3663.	7.24	1.04	1.43	1.47	1.48	1.44	1.43	CHARGE
3700.	7.26	1.05	1.43	1.46	1.48	1.44	1.43	
3742.	7.26	1.02	1.43	1.47	1.48	1.44	1.43	
3775.	7.42	1.40	1.45	1.53	1.52	1.47	1.45	
3804.	7.31	.93	1.44	1.48	1.49	1.45	1.45	
3835.	7.72	1.04	1.50	1.58	1.56	1.53	1.54	

PACK NO. 94
GOULD 20 A.H.

DEPTH OF DISCHARGE 25
PERCENT OF RECHARGE 115

TEST TEMPERATURE 0 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 10.00	CELL VOLTAGES 1	2	3	4	5	
3498.	6.03	10.24	1.23	1.21	1.20	1.22	1.21	END OF DISCHARGE
3539.	5.98	10.23	1.22	1.20	1.19	1.20	1.20	
3571.	6.00	10.28	1.23	1.20	1.18	1.21	1.20	
3621.	6.12	9.60	1.25	1.23	1.22	1.24	1.23	
3650.	5.73	9.29	1.19	1.15	1.13	1.16	1.14	
3681.	6.12	9.63	1.25	1.23	1.21	1.23	1.22	
		2.30						
3498.	7.86	1.59	1.52	1.52	1.62	1.62	1.61	END OF CHARGE
3539.	7.84	1.55	1.51	1.51	1.63	1.60	1.61	
3571.	7.84	1.60	1.51	1.51	1.63	1.61	1.61	
3621.	7.92	1.29	1.54	1.53	1.63	1.62	1.63	
3650.	7.05	1.44	1.41	1.40	1.42	1.42	1.42	
3681.	8.01	1.62	1.54	1.54	1.64	1.66	1.64	

PACK NO. 105
GOULD 20 A.H.

DEPTH OF DISCHARGE 25
PERCENT OF RECHARGE 125

TEST TEMPERATURE 25 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 10.00	CELL VOLTAGES 1	2	3	4	5	
3431.	5.86	9.99	1.11	1.17	1.18	1.19	1.17	END OF DISCHARGE
3432.	6.22	10.03	1.08	1.17	1.18	1.18	1.17	
3568.	5.88	10.03	1.13	1.19	1.20	1.21	1.20	
3600.	5.87	10.02	1.09	1.18	1.18	1.19	1.18	
3660.	5.79	10.21	1.03	1.17	1.18	1.18	1.18	
		2.50						
3431.	7.30	2.57	1.42	1.46	1.46	1.46	1.47	END OF CHARGE
3432.	7.29	2.58	1.40	1.46	1.46	1.45	1.46	
3568.	7.28	2.61	1.42	1.47	1.47	1.48	1.50	
3600.	7.25	2.61	1.38	1.45	1.46	1.45	1.46	
3660.	7.29	2.61	1.37	1.46	1.46	1.46	1.46	

PACK NO. 108 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
GOULD 20 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
3457.	5.85	5.97	1.18	1.15	1.20	1.15	1.20	END OF
3498.	5.83	6.07	1.17	1.14	1.20	1.15	1.20	DISCHARGE
3572.	5.85	6.02	1.18	1.14	1.20	1.15	1.20	
3605.	5.83	5.93	1.17	1.14	1.20	1.14	1.20	
3634.	5.65	5.75	1.14	1.10	1.17	1.09	1.18	
3665.	5.79	6.05	1.16	1.13	1.19	1.13	1.19	
		1.92						
3457.	7.19	1.72	1.44	1.47	1.42	1.46	1.43	END OF
3498.	7.18	1.72	1.43	1.47	1.42	1.46	1.43	CHARGE
3572.	7.22	1.77	1.44	1.48	1.43	1.45	1.44	
3605.	7.14	1.73	1.43	1.47	1.41	1.44	1.42	
3634.	7.07	.93	1.42	1.44	1.41	1.41	1.41	
3665.	7.08	1.39	1.41	1.44	1.41	1.41	1.41	

16

PACK NO. 73 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
GULTON 20 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 10.00	CELL VOLTAGES 1	2	3	4	5	
6831.	3.29	9.89	.00	1.12	.00	1.07	1.08	END OF DISCHARGE
6865.	3.34	9.94	.00	1.14	.00	1.10	1.09	
6939.	3.33	9.61	.00	1.12	.00	1.09	1.09	
6971.	3.35	9.68	.00	1.13	.00	1.10	1.09	
7003.	3.33	9.61	.00	1.12	.00	1.09	1.09	
7089.	3.31	9.87	.00	1.13	.00	1.10	1.10	
7121.	3.40	9.81	.00	1.15	.00	1.12	1.11	
7153.	3.32	9.82	.00	1.12	.00	1.10	1.09	
7187.	3.30	9.80	.00	1.12	.00	1.09	1.08	
7211.	3.29	9.77	.00	1.11	.00	1.09	1.08	
7251.	3.33	9.83	.00	1.13	.00	1.10	1.09	
7273.	3.31	9.76	.00	1.12	.00	1.09	1.08	
		6.25						
6831.	4.36	3.48	.00	1.48	.00	1.44	1.45	END OF CHARGE
6865.	4.41	4.04	.00	1.50	.00	1.45	1.46	
6939.	4.41	3.94	.00	1.50	.00	1.45	1.46	
6971.	4.42	3.99	.00	1.49	.00	1.45	1.46	
7003.	4.42	4.05	.00	1.49	.00	1.45	1.47	
7089.	4.42	3.96	.00	1.51	.00	1.46	1.48	
7121.	4.43	4.46	.00	1.49	.00	1.46	1.47	
7153.	4.44	4.38	.00	1.50	.00	1.46	1.47	
7187.	4.42	4.10	.00	1.49	.00	1.45	1.46	
7211.	4.44	3.90	.00	1.51	.00	1.46	1.47	
7251.	4.43	3.48	.00	1.51	.00	1.46	1.46	
7273.	4.41	3.89	.00	1.49	.00	1.45	1.45	

PACK NO. 76 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
GULTON 20 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
6942.	5.22	6.02	1.14	.90	1.02	1.07	1.08	END OF DISCHARGE
6975.	5.16	6.00	1.13	.87	1.01	1.05	1.08	
7019.	5.11	6.05	1.13	.75	.98	1.04	1.07	
7089.	5.10	6.04	1.13	.86	1.00	1.01	1.08	
7149.	5.03	5.99	1.13	.83	1.04	.96	1.10	
7181.	4.96	5.94	1.13	.82	1.01	.89	1.10	
7213.	5.14	6.00	1.13	.81	1.01	1.08	1.10	
7245.	5.68	6.06	1.16	1.03	1.18	1.16	1.15	
7277.	5.34	6.05	1.13	.87	1.11	1.12	1.09	
7309.	5.29	5.98	1.13	.83	1.11	1.13	1.09	
7333.	5.30	5.97	1.13	.83	1.11	1.13	1.10	
		4.80						
6942.	7.24	3.62	1.45	1.47	1.41	1.45	1.42	END OF CHARGE
6975.	7.22	3.68	1.44	1.47	1.42	1.44	1.41	
7019.	7.23	3.89	1.45	1.47	1.42	1.44	1.42	
7089.	7.22	3.69	1.45	1.47	1.42	1.43	1.43	
7149.	7.20	3.26	1.46	1.47	1.43	1.44	1.42	
7181.	7.19	3.24	1.45	1.46	1.42	1.42	1.42	
7213.	7.25	3.12	1.46	1.46	1.43	1.45	1.42	
7245.	7.35	3.36	1.47	1.50	1.45	1.50	1.43	
7277.	7.19	4.03	1.44	1.45	1.42	1.44	1.41	
7309.	7.21	3.99	1.45	1.46	1.42	1.46	1.41	
7333.	7.22	4.06	1.45	1.45	1.43	1.46	1.41	

PACK NO. 102
GULTON 20 A.H.

DEPTH OF DISCHARGE 15
PERCENT OF RECHARGE 115

TEST TEMPERATURE 0 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
3429.	4.86	6.02	1.22	.00	1.23	1.21	1.20	END OF DISCHARGE
3470.	4.88	6.04	1.22	.00	1.22	1.23	1.21	
3502.	4.92	6.06	1.22	.00	1.22	1.23	1.22	
3552.	4.90	6.07	1.23	.00	1.23	1.23	1.21	
3612.	4.87	6.03	1.25	.00	1.25	1.22	1.16	
		1.38						
3429.	5.96	1.07	1.55	.00	1.55	1.42	1.42	END OF CHARGE
3470.	6.02	.95	1.54	.00	1.54	1.46	1.48	
3502.	6.03	.97	1.54	.00	1.55	1.46	1.47	
3552.	6.03	.80	1.59	.00	1.61	1.42	1.44	
3612.	5.96	1.38	1.60	.00	1.59	1.39	1.39	

h6

PACK NO. 116
GULTON 20 A.H.

DEPTH OF DISCHARGE 25
PERCENT OF RECHARGE 115

TEST TEMPERATURE 0 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 10.00	CELL VOLTAGES 1	2	3	4	5	
3285.	5.85	10.04	1.18	1.19	1.14	1.20	1.17	END OF DISCHARGE
3326.	5.82	10.05	1.18	1.18	1.13	1.19	1.16	
3358.	5.86	10.04	1.19	1.19	1.12	1.20	1.17	
3408.	5.92	10.03	1.20	1.20	1.15	1.21	1.19	
3437.	5.86	10.06	1.17	1.19	1.15	1.21	1.18	
		2.30						
3285.	7.80	1.83	1.46	1.62	1.61	1.59	1.56	END OF CHARGE
3326.	7.86	1.71	1.47	1.66	1.61	1.59	1.56	
3358.	7.88	1.74	1.49	1.66	1.60	1.59	1.56	
3408.	7.88	2.23	1.45	1.64	1.64	1.61	1.58	
3437.	7.85	2.23	1.42	1.66	1.63	1.62	1.58	

96

PACK NO. 77 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
GULTON 20 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
3392.	5.45	6.01	1.10	1.09	1.07	1.08	1.12	END OF DISCHARGE
3443.	5.44	5.99	1.10	1.09	1.06	1.08	1.12	
3512.	5.38	6.01	1.09	1.07	1.04	1.10	1.12	
3555.	5.47	6.00	1.12	1.11	1.08	1.11	1.14	
3587.	5.43	5.99	1.10	1.09	1.05	1.09	1.12	
3622.	5.24	6.06	1.06	1.03	1.01	1.05	1.12	
		1.92						
3392.	6.99	1.93	1.41	1.40	1.40	1.41	1.41	END OF CHARGE
3443.	7.00	1.92	1.41	1.40	1.40	1.40	1.41	
3512.	7.01	1.92	1.42	1.39	1.40	1.41	1.40	
3555.	6.97	1.93	1.42	1.41	1.41	1.42	1.42	
3587.	7.01	1.94	1.42	1.40	1.40	1.41	1.41	
3622.	6.91	1.87	1.39	1.38	1.38	1.39	1.39	

96

PACK NO. 91 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
GULTON 20 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 10.00	CELL VOLTAGES 1	2	3	4	5	
3264.	4.29	10.05	1.11	1.11	1.00	.00	1.09	END OF
3315.	4.24	10.20	1.10	1.11	.98	.00	1.09	DISCHARGE
3384.	3.27	9.86	1.12	1.12	.06	.00	1.11	
3404.	3.29	10.04	1.11	1.11	.00	.00	1.10	
3439.	3.15	10.33	1.05	1.07	.00	.00	1.04	
		3.20						
3264.	5.78	2.87	1.47	1.47	1.43	.00	1.46	END OF
3315.	5.80	2.85	1.47	1.48	1.42	.00	1.46	CHARGE
3384.	4.49	3.18	1.49	1.52	.00	.00	1.49	
3404.	4.34	2.32	1.46	1.48	.00	.00	1.45	
3439.	4.27	2.34	1.43	1.44	.00	.00	1.43	

69

PACK NO. 103 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
G.E. 5 A.H. NIMBUS PERCENT OF RECHARGE 110 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	
143.	6.16	1.49	1.23	1.23	1.23	1.24	1.24	END OF DISCHARGE
176.	6.14	1.51	1.23	1.23	1.23	1.23	1.23	
220.	6.21	1.50	1.23	1.16	1.24	1.24	1.24	
256.	6.16	1.51	1.23	1.23	1.23	1.23	1.23	
290.	6.16	1.51	1.23	1.23	1.23	1.23	1.23	
320.	6.18	1.52	1.24	1.24	1.21	1.25	1.25	
383.	6.17	1.54	1.23	1.23	1.23	1.24	1.23	
400.	6.13	1.53	1.23	1.23	1.24	1.24	1.23	
432.	6.16	1.52	1.23	1.23	1.23	1.24	1.23	
464.	6.17	1.52	1.23	1.23	1.24	1.24	1.23	
496.	6.11	1.52	1.22	1.22	1.22	1.23	1.22	
528.	6.14	1.52	1.22	1.23	1.23	1.23	1.23	
560.	6.15	1.52	1.23	1.23	1.23	1.24	1.23	
		.83						
143.	7.42	.43	1.48	1.48	1.50	1.48	1.48	END OF CHARGE
176.	7.41	.43	1.48	1.48	1.50	1.48	1.48	
220.	7.41	.44	1.48	1.48	1.50	1.48	1.48	
256.	7.43	.44	1.48	1.48	1.50	1.48	1.47	
290.	7.43	.44	1.48	1.48	1.50	1.48	1.48	
320.	7.54	.60	1.50	1.50	1.53	1.50	1.50	
383.	7.59	.65	1.51	1.51	1.53	1.51	1.50	
400.	7.55	.69	1.52	1.52	1.53	1.52	1.51	
432.	7.56	.73	1.51	1.51	1.52	1.51	1.50	
464.	7.53	.71	1.51	1.50	1.52	1.50	1.49	
496.	7.44	.60	1.50	1.49	1.50	1.48	1.48	
528.	7.52	.58	1.51	1.50	1.52	1.50	1.49	
560.	7.59	.71	1.52	1.52	1.53	1.51	1.51	

86

PACK NO. 106 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 25 C
G.E. 5 A.H. NIMBUS PERCENT OF RECHARGE 120 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	
107.	6.20	1.54	1.25	1.25	1.22	1.25	1.26	END OF DISCHARGE
148.	6.12	1.55	1.22	1.23	1.23	1.23	1.22	
186.	6.14	1.50	1.23	1.23	1.24	1.23	1.23	
234.	6.14	1.50	1.23	1.23	1.23	1.23	1.23	
260.	6.13	1.50	1.23	1.23	1.23	1.22	1.22	
292.	6.12	1.49	1.23	1.23	1.23	1.22	1.22	
3[illegible]4.	6.11	1.49	1.23	1.23	1.23	1.22	1.22	
380.	6.12	1.49	1.23	1.22	1.23	1.22	1.22	
404.	6.14	1.49	1.23	1.23	1.24	1.23	1.23	
469.	6.10	1.50	1.22	1.22	1.23	1.22	1.22	
500.	6.12	1.49	1.23	1.23	1.24	1.23	1.23	
532.	6.14	1.49	1.23	1.23	1.24	1.23	1.23	
562.	6.14	1.48	1.23	1.23	1.23	1.22	1.23	
588.	6.12	1.49	1.23	1.23	1.23	1.22	1.22	
		.90						
107.	7.15	.89	1.44	1.43	1.4[illegible]	1.43	1.43	END OF CHARGE
148.	7.09	.89	1.43	1.43	1.42	1.42	1.42	
186.	7.11	.89	1.44	1.43	1.42	1.42	1.42	
234.	7.11	.89	1.44	1.43	1.42	1.42	1.42	
260.	7.12	.89	1.44	1.43	1.43	1.42	1.43	
292.	7.12	.89	1.44	1.43	1.43	1.42	1.42	
334.	7.11	.89	1.44	1.43	1.43	1.42	1.43	
380.	7.12	.89	1.44	1.43	1.43	1.42	1.43	
404.	7.13	.89	1.45	1.43	1.43	1.43	1.43	
468.	7.10	.90	1.44	1.43	1.42	1.42	1.42	
500.	7.12	.89	1.44	1.43	1.43	1.43	1.43	
532.	7.12	.89	1.44	1.43	1.43	1.42	1.43	
562.	7.13	.89	1.44	1.43	1.43	1.42	1.43	
588.	7.13	.89	1.44	1.43	1.43	1.43	1.43	

PACK NO. 113 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
G.E. 5 A.H. NIMBUS PERCENT OF RECHARGE 130 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	
107.	6.10	1.30	1.23	1.23	1.18	1.24	1.24	END OF
148.	6.00	1.30	1.19	1.20	1.20	1.20	1.20	DISCHARGE
186.	6.01	1.49	1.19	1.20	1.20	1.20	1.20	
260.	5.98	1.49	1.19	1.20	1.20	1.20	1.20	
292.	5.98	1.49	1.19	1.20	1.20	1.20	1.19	
334.	5.97	1.46	1.20	1.20	1.20	1.20	1.20	
380.	6.01	1.49	1.20	1.21	1.21	1.21	1.20	
404.	5.95	1.49	1.19	1.20	1.20	1.20	1.20	
468.	5.96	1.49	1.19	1.19	1.20	1.20	1.19	
500.	5.94	1.48	1.19	1.19	1.20	1.20	1.19	
532.	5.94	1.48	1.19	1.19	1.20	1.20	1.19	
562.	5.92	1.49	1.18	1.19	1.19	1.19	1.19	
588.	5.90	1.49	1.18	1.18	1.18	1.19	1.18	
		.98						
107.	7.05	.84	1.40	1.40	1.41	1.40	1.41	END OF
143.	7.01	.84	1.40	1.40	1.40	1.39	1.40	CHARGE
186.	7.01	.97	1.40	1.40	1.40	1.40	1.40	
260.	7.01	.99	1.40	1.40	1.40	1.40	1.40	
292.	7.02	.99	1.40	1.40	1.40	1.40	1.40	
334.	7.02	.99	1.41	1.41	1.41	1.40	1.41	
380.	7.04	.99	1.41	1.41	1.41	1.40	1.40	
404.	7.00	.98	1.41	1.41	1.40	1.40	1.40	
468.	7.01	.99	1.40	1.40	1.40	1.40	1.40	
500.	7.01	.98	1.40	1.41	1.40	1.40	1.40	
532.	6.96	.98	1.39	1.39	1.39	1.39	1.38	
562.	6.96	.99	1.39	1.39	1.39	1.39	1.39	
588.	6.95	.99	1.39	1.39	1.39	1.39	1.39	

PACK NO. 117 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GULTON 5 A.H. NIMOUS PERCENT OF RECHARGE 110 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	
1.	6.28	1.50	1.26	1.26	1.25	1.26	1.26	END OF DISCHARGE
37.	6.12	1.50	1.24	1.23	1.23	1.22	1.22	
70.	6.08	1.50	1.23	1.23	1.23	1.22	1.21	
108.	6.06	1.50	1.23	1.23	1.23	1.22	1.21	
180.	6.12	1.50	1.24	1.25	1.25	1.23	1.22	
212.	6.10	1.49	1.23	1.23	1.22	1.22	1.22	
244.	6.17	1.50	1.25	1.24	1.24	1.24	1.23	
276.	6.10	1.50	1.23	1.22	1.22	1.22	1.22	
308.	6.12	1.50	1.23	1.23	1.23	1.23	1.23	
1.	7.35	-1.50	1.47	1.47	1.48	1.46	1.46	END OF CHARGE
34.	7.53	-1.50	1.50	1.54	1.59	1.50	1.51	
70.	7.39	-1.50	1.48	1.46	1.48	1.44	1.45	
106.	7.41	-1.50	1.51	1.47	1.51	1.46	1.46	
142.	7.43	-1.50	1.52	1.50	1.51	1.48	1.48	
178.	7.49	-1.50	1.53	1.49	1.51	1.49	1.48	
214.	7.50	-1.50	1.55	1.51	1.52	1.50	1.50	
250.	7.51	-1.50	1.53	1.50	1.52	1.49	1.49	
286.	7.50	-1.50	1.55	1.50	1.52	1.50	1.50	

PACK NO. 120
GULTON 5 A.H. NIMBUS

DEPTH OF DISCHARGE 15
PERCENT OF RECHARGE 120

TEST TEMPERATURE 25 C
ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	
25.	6.26	1.52	1.26	1.26	1.25	1.25	1.24	END OF DISCHARGE
63.	6.17	1.51	1.25	1.24	1.24	1.24	1.23	
137.	6.14	1.50	1.24	1.24	1.23	1.23	1.22	
169.	6.14	1.50	1.24	1.23	1.23	1.23	1.22	
211.	6.13	1.50	1.24	1.23	1.22	1.23	1.22	
257.	6.13	1.49	1.24	1.23	1.23	1.23	1.22	
281.	6.12	1.48	1.25	1.24	1.23	1.24	1.23	
319.	6.27	1.48	1.27	1.26	1.26	1.26	1.25	
345.	6.11	1.49	1.24	1.23	1.23	1.23	1.22	
377.	6.11	1.48	1.24	1.23	1.23	1.23	1.22	
409.	6.13	1.48	1.24	1.23	1.23	1.23	1.22	
439.	6.11	1.49	1.24	1.22	1.22	1.23	1.22	
465.	6.11	1.49	1.24	1.22	1.22	1.23	1.22	
		.90						
25.	7.14	.91	1.42	1.43	1.42	1.43	1.42	END OF CHARGE
63.	7.14	.89	1.42	1.43	1.42	1.43	1.42	
137.	7.15	.89	1.43	1.44	1.42	1.44	1.42	
169.	7.15	.89	1.43	1.43	1.42	1.43	1.42	
211.	7.16	.89	1.43	1.44	1.42	1.43	1.42	
257.	7.15	.89	1.43	1.43	1.42	1.43	1.42	
281.	7.14	.89	1.43	1.44	1.43	1.44	1.43	
319.	7.15	.89	1.43	1.44	1.42	1.43	1.42	
345.	7.13	.89	1.42	1.43	1.42	1.43	1.42	
377.	7.15	.88	1.43	1.44	1.42	1.43	1.42	
409.	7.15	.89	1.43	1.44	1.42	1.43	1.42	
439.	7.15	.89	1.43	1.44	1.56	1.43	1.42	
465.	7.15	.88	1.43	1.44	1.43	1.43	1.42	

102

PACK NO. 127 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
GULTON 5 A.H. NIMBUS PERCENT OF RECHARGE 130 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	
71.	5.96	1.57	1.20	1.19	1.20	1.21	1.20	END OF DISCHARGE
109.	5.97	1.47	1.20	1.19	1.20	1.21	1.20	
157.	5.95	1.48	1.20	1.19	1.20	1.20	1.19	
183.	5.93	1.47	1.19	1.18	1.20	1.20	1.19	
215.	5.91	1.48	1.19	1.18	1.19	1.20	1.18	
257.	5.89	1.47	1.17	1.17	1.19	1.19	1.17	
303.	5.93	1.47	1.19	1.19	1.20	1.20	1.19	
327.	5.91	1.47	1.18	1.18	1.20	1.20	1.19	
365.	6.12	1.47	1.23	1.22	1.23	1.24	1.23	
391.	5.88	1.48	1.18	1.17	1.19	1.19	1.18	
423.	5.88	1.47	1.18	1.17	1.19	1.20	1.18	
455.	5.87	1.47	1.17	1.17	1.19	1.19	1.18	
485.	5.84	1.49	1.16	1.16	1.18	1.19	1.17	
511.	5.82	1.48	1.16	1.15	1.18	1.19	1.17	
		.98						
71.	7.00	1.01	1.40	1.41	1.40	1.40	1.40	END OF CHARGE
109.	7.00	.97	1.41	1.41	1.40	1.40	1.40	
157.	6.96	.97	1.40	1.40	1.39	1.39	1.39	
183.	7.01	.97	1.41	1.41	1.40	1.40	1.40	
215.	7.00	.97	1.41	1.41	1.40	1.40	1.40	
257.	6.98	.97	1.40	1.40	1.39	1.39	1.39	
303.	7.04	.97	1.42	1.42	1.41	1.41	1.41	
327.	7.04	.97	1.42	1.42	1.41	1.40	1.41	
365.	7.03	.97	1.41	1.41	1.41	1.40	1.40	
391.	7.03	.97	1.41	1.41	1.40	1.40	1.40	
423.	7.03	.97	1.41	1.41	1.41	1.40	1.40	
455.	6.97	.97	1.40	1.40	1.39	1.39	1.39	
485.	6.99	.97	1.40	1.40	1.39	1.39	1.39	
511.	6.98	.97	1.40	1.40	1.40	1.39	1.39	

PACK NO. 79 DEPTH OF DISCHARGE 50 TEST TEMPERATURE 25 C
GULTON 6 A.H. PERCENT OF RECHARGE 200 ORBIT PERIOD 24 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 3.0	CELL VOLTAGES 1	2	3	4	5	
390.	3.38	3.03	.00	1.14	.00	1.11	1.12	END OF
399.	3.21	2.93	.00	1.02	.00	1.00	1.02	DISCHARGE
407.	2.98	2.99	.00	.99	.00	.96	1.00	
		.26						
390.	4.19	.24	.00	1.45	.00	1.38	1.43	END OF
399.	4.20	.27	.00	1.40	.00	1.40	1.40	CHARGE
407.	4.21	.26	.00	1.40	.00	1.40	1.39	

401

PACK NO. 188 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C
DELCO 25 A.H. NAOH PERCENT OF RECHARGE ORBIT PERIOD 3 HRS.

CYCLE NO.	PACK VOLTAGE	CURRENT 20.00	CELL VOLTAGES 1	2	3	4	5	
299.	5.64	19.88	1.19	1.05	1.22	1.00	1.21	END OF
302.	4.20	19.92	1.11	.55	.96	.35	1.15	DISCHARGE
323.	5.21	19.93	1.18	.81	1.20	.77	1.20	
325.	3.52	19.92	1.12	.48	.96	.41	.52	
		15.00						
299.	9.76	.88	1.95	2.00	1.94	1.94	1.94	END OF
302.	9.87	.86	1.95	1.99	1.95	1.94	1.94	CHARGE
323.	9.88	.71	1.96	1.98	1.94	1.95	1.97	
325.	9.79	.74	1.95	1.97	1.94	1.95	1.99	

PACK NO. 9 DEPTH OF DISCHARGE 42 TEST TEMPERATURE 25 C
YARDLEY 12 A.H. AGZN PERCENT OF RECHARGE ORBIT PERIOD 24 HRS.

CYCLE NO.	PACK VOLTAGE	CURRENT 5.00	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
1.	15.25	4.94	1.52	1.53	1.53	1.53	1.52	1.53	1.53	1.55	1.52	1.52	END OF
10.	15.00	4.94	1.49	1.50	1.50	1.50	1.48	1.51	1.50	1.52	1.50	1.49	DISCHARGE
18.	14.90	4.95	1.49	1.49	1.49	1.49	1.48	1.50	1.49	1.52	1.50	1.49	
		.50											
1.	19.76	.01	2.00	2.01	2.00	2.00	2.02	1.87	2.01	2.08	1.86	2.00	END OF
10.	19.81	.01	2.00	2.00	2.00	2.00	2.01	1.91	2.01	2.04	1.88	2.00	CHARGE
18.	19.97	.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.04	1.98	2.00	

901

PACK NO. 315 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GULTON 4 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.2	CELL VOLTAGES 1	2	3	4	5	
4250.	6.11	1.19	1.23	1.23	1.23	1.23	1.22	END OF
4269.	6.16	1.19	1.24	1.15	1.23	1.24	1.23	DISCHARGE
4324.	6.10	1.19	1.23	1.23	1.23	1.22	1.22	
4457.	6.15	1.19	1.24	1.24	1.24	1.24	1.23	
4489.	6.13	1.18	1.24	1.24	1.24	1.24	1.23	
4523.	6.09	1.18	1.23	1.23	1.23	1.23	1.22	
4545.	6.21	1.19	1.25	1.25	1.25	1.25	1.25	
		.69						
4250.	7.74	.70	1.54	1.56	1.53	1.56	1.55	END OF
4269.	7.70	.70	1.54	1.55	1.52	1.55	1.55	CHARGE
4324.	7.72	.69	1.54	1.55	1.53	1.56	1.54	
4457.	7.75	.70	1.54	1.58	1.53	1.56	1.55	
4489.	7.74	.68	1.54	1.57	1.53	1.56	1.55	
4523.	7.57	.41	1.51	1.54	1.49	1.52	1.51	
4545.	7.72	.64	1.53	1.56	1.53	1.55	1.54	

107

PACK NO. 326 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GULTON 4 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 2.0	CELL VOLTAGES 1	2	3	4	5	
4420.	5.97	1.98	1.19	1.20	1.19	1.18	1.19	END OF DISCHARGE
4453.	5.94	1.98	1.19	1.20	1.19	1.18	1.19	
4497.	5.95	1.98	1.19	1.11	1.19	1.19	1.19	
4533.	5.90	1.98	1.18	1.19	1.18	1.18	1.18	
4548.	6.10	1.99	1.23	1.24	1.20	1.22	1.24	
4606.	6.02	2.00	1.20	1.21	1.20	1.19	1.20	
4628.	5.94	1.98	1.20	1.21	1.20	1.20	1.20	
4660.	5.95	1.98	1.20	1.20	1.19	1.19	1.19	
4692.	5.97	1.99	1.20	1.20	1.19	1.20	1.19	
4724.	5.96	1.97	1.20	1.20	1.19	1.19	1.19	
4756.	5.99	1.98	1.20	1.20	1.20	1.19	1.20	
4788.	5.99	1.99	1.20	1.20	1.20	1.19	1.20	
4812.	5.94	1.99	1.20	1.20	1.19	1.19	1.19	
		1.15						
4420.	7.79	.83	1.56	1.54	1.56	1.57	1.54	END OF CHARGE
4453.	7.76	.84	1.57	1.54	1.56	1.56	1.55	
4497.	7.68	.75	1.56	1.53	1.55	1.56	1.54	
4533.	7.72	.83	1.56	1.53	1.55	1.56	1.54	
4548.	7.49	.82	1.50	1.48	1.50	1.50	1.48	
4606.	7.81	.88	1.58	1.54	1.57	1.58	1.55	
4628.	7.71	.76	1.56	1.54	1.56	1.57	1.55	
4660.	7.70	.79	1.55	1.52	1.55	1.56	1.54	
4692.	7.07	.43	1.42	1.42	1.42	1.42	1.41	
4724.	7.74	.84	1.56	1.54	1.55	1.57	1.55	
4756.	7.77	.84	1.57	1.54	1.56	1.57	1.55	
4788.	7.78	.84	1.57	1.54	1.57	1.57	1.56	
4812.	7.75	.84	1.56	1.53	1.56	1.57	1.54	

PACK NO. 204 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
GULTON 4 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 2.0	CELL VOLTAGES 1	2	3	4	5	
4270.	5.76	1.99	1.14	1.13	1.14	1.14	1.15	END OF
4320.	5.94	2.00	1.19	1.17	1.19	1.17	1.18	DISCHARGE
4332.	5.90	2.00	1.18	1.16	1.18	1.16	1.17	
4364.	5.88	2.01	1.17	1.15	1.18	1.16	1.17	
4406.	5.88	2.00	1.18	1.15	1.17	1.16	1.17	
4451.	5.90	2.00	1.18	1.16	1.18	1.17	1.17	
4476.	5.84	2.00	1.17	1.15	1.17	1.16	1.17	
4512.	5.94	1.99	1.19	1.17	1.19	1.17	1.18	
4538.	5.83	2.00	1.17	1.14	1.17	1.16	1.16	
4570.	5.87	1.99	1.18	1.15	1.17	1.16	1.17	
4604.	5.85	2.00	1.17	1.15	1.17	1.16	1.16	
4638.	5.90	2.00	1.18	1.16	1.18	1.17	1.17	
4660.	5.89	2.00	1.18	1.16	1.18	1.16	1.17	
		1.25						
4270.	7.28	1.23	1.45	1.45	1.43	1.46	1.47	END OF
4320.	7.34	1.25	1.46	1.46	1.44	1.48	1.47	CHARGE
4332.	7.34	1.26	1.45	1.46	1.44	1.48	1.47	
4364.	7.33	1.26	1.45	1.45	1.44	1.47	1.47	
4406.	7.32	1.26	1.45	1.45	1.44	1.47	1.47	
4451.	7.30	1.26	1.45	1.45	1.44	1.47	1.47	
4476.	7.31	1.26	1.46	1.46	1.44	1.48	1.47	
4512.	7.33	1.25	1.45	1.46	1.44	1.48	1.47	
4538.	7.31	1.26	1.45	1.45	1.44	1.47	1.46	
4570.	7.34	1.25	1.46	1.46	1.44	1.48	1.47	
4604.	7.32	1.26	1.45	1.45	1.44	1.48	1.47	
4638.	7.34	1.26	1.45	1.45	1.44	1.48	1.47	
4660.	7.34	1.25	1.46	1.46	1.44	1.48	1.47	

PACK NO. 214 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C
GULTON 4 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.2	CELL VOLTAGES 1	2	3	4	5	
3986.	5.67	3.20	1.12	1.01	1.13	1.11	1.13	END OF
4022.	5.53	3.20	1.09	1.11	1.11	1.09	1.10	DISCHARGE
4056.	5.56	3.20	1.09	1.11	1.11	1.10	1.10	
4086.	5.59	3.18	1.08	.99	1.11	1.10	1.10	
4144.	5.44	3.19	1.06	1.09	1.09	1.09	1.08	
4166.	5.51	3.20	1.09	1.12	1.11	1.11	1.10	
4198.	5.37	3.19	1.05	1.08	1.08	1.07	1.06	
4230.	5.56	3.21	1.09	1.12	1.11	1.11	1.10	
4262.	5.61	3.20	1.11	1.13	1.11	1.11	1.11	
4294.	5.63	3.20	1.11	1.13	1.12	1.12	1.11	
4326.	5.63	3.21	1.12	1.13	1.12	1.11	1.12	
4350.	5.62	3.21	1.10	1.13	1.12	1.11	1.11	
		2.00						
3986.	7.36	1.50	1.45	1.45	1.51	1.46	1.45	END OF
4022.	7.35	1.42	1.45	1.45	1.51	1.47	1.44	CHARGE
4056.	7.36	1.40	1.45	1.44	1.51	1.47	1.45	
4086.	7.39	1.51	1.44	1.45	1.51	1.47	1.45	
4144.	7.35	1.47	1.44	1.45	1.51	1.47	1.45	
4166.	7.35	1.43	1.45	1.45	1.51	1.48	1.45	
4198.	7.37	1.45	1.45	1.45	1.51	1.47	1.45	
4230.	7.35	1.45	1.44	1.44	1.50	1.47	1.44	
4262.	7.39	1.66	1.45	1.46	1.52	1.48	1.45	
4294.	7.42	1.62	1.46	1.46	1.52	1.49	1.45	
4326.	7.46	1.83	1.46	1.47	1.53	1.50	1.46	
4350.	7.39	1.58	1.45	1.46	1.52	1.48	1.45	

PACK NO. 228 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
GULTON 4 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.2	CELL VOLTAGES 1	2	3	4	5	
4259.	5.94	1.19	1.20	1.19	1.18	1.14	1.18	END OF
4301.	6.03	1.19	1.21	1.20	1.20	1.19	1.20	DISCHARGE
4313.	5.99	1.20	1.20	1.20	1.20	1.17	1.19	
4345.	5.99	1.20	1.20	1.19	1.19	1.17	1.19	
4387.	6.00	1.20	1.20	1.19	1.19	1.17	1.19	
4457.	5.95	1.19	1.20	1.20	1.19	1.17	1.19	
4493.	6.03	1.19	1.21	1.20	1.20	1.18	1.20	
4519.	5.96	1.19	1.20	1.19	1.19	1.16	1.19	
4551.	6.01	1.18	1.20	1.20	1.20	1.17	1.20	
4564.	6.14	1.20	1.23	1.23	1.22	1.20	1.23	
		.96						
4259.	7.12	.97	1.43	1.42	1.41	1.42	1.42	END OF
4301.	7.08	.98	1.41	1.40	1.40	1.41	1.41	CHARGE
4313.	7.08	.97	1.42	1.40	1.41	1.41	1.41	
4345.	7.09	.98	1.42	1.41	1.41	1.41	1.41	
4387.	7.09	.96	1.42	1.41	1.41	1.41	1.41	
4457.	7.05	.79	1.42	1.41	1.41	1.41	1.41	
4493.	7.05	.78	1.41	1.40	1.40	1.41	1.40	
4519.	7.05	.76	1.41	1.40	1.40	1.41	1.40	
4551.	7.07	.82	1.41	1.40	1.41	1.41	1.40	
4564.	7.01	.97	1.40	1.40	1.40	1.40	1.40	

PACK NO. 240 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
GULTON 4 A. H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 2.0	CELL VOLTAGES 1	2	3	4	5	
4273.	5.50	2.00	1.09	1.10	1.09	1.09	1.07	END OF DISCHARGE
4324.	5.66	2.01	1.13	1.12	1.13	1.13	1.12	
4336.	5.49	2.01	1.10	1.08	1.09	1.09	1.08	
4368.	5.46	2.02	1.09	1.08	1.08	1.08	1.08	
4410.	5.46	2.02	1.08	1.09	1.09	1.08	1.08	
4455.	5.58	2.02	1.11	1.11	1.12	1.11	1.10	
4480.	5.38	2.01	1.07	1.08	1.08	1.08	1.07	
4516.	5.62	2.00	1.12	1.12	1.12	1.12	1.11	
4542.	5.43	2.02	1.08	1.08	1.08	1.08	1.07	
4574.	5.75	2.01	1.15	1.14	1.15	1.15	1.12	
4608.	5.46	2.01	1.09	1.08	1.09	1.10	1.06	
4642.	5.59	2.01	1.12	1.10	1.12	1.12	1.09	
4664.	5.50	2.00	1.10	1.09	1.10	1.10	1.08	
		1.60						
4273.	7.12	.96	1.42	1.43	1.42	1.42	1.42	END OF CHARGE
4324.	7.11	1.02	1.41	1.42	1.41	1.42	1.41	
4336.	7.12	1.01	1.41	1.42	1.42	1.42	1.41	
4368.	7.13	.99	1.41	1.42	1.42	1.42	1.41	
4410.	7.13	.98	1.42	1.42	1.42	1.42	1.42	
4455.	7.12	.98	1.41	1.42	1.42	1.42	1.41	
4480.	7.12	.98	1.42	1.43	1.43	1.43	1.42	
4516.	7.13	.95	1.42	1.42	1.42	1.42	1.41	
4542.	7.13	.96	1.42	1.42	1.42	1.42	1.41	
4574.	7.15	1.06	1.42	1.43	1.43	1.43	1.42	
4608.	7.10	1.25	1.41	1.42	1.42	1.41	1.41	
4642.	7.12	1.27	1.41	1.42	1.42	1.42	1.41	
4664.	7.19	1.60	1.43	1.44	1.43	1.43	1.43	

PACK NO. 216 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GULTON 12 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.6	CELL VOLTAGES 1	2	3	4	5	
1151.	6.17	3.61	1.23	1.23	1.22	1.22	1.22	END OF
1189.	6.17	3.62	1.23	1.23	1.23	1.23	1.22	DISCHARGE
1251.	6.17	3.62	1.23	1.23	1.23	1.23	1.22	
1263.	6.16	3.62	1.22	1.23	1.22	1.22	1.22	
1295.	6.16	3.61	1.22	1.23	1.22	1.22	1.22	
1337.	6.17	3.60	1.23	1.23	1.23	1.22	1.22	
1382.	6.18	3.54	1.23	1.23	1.23	1.23	1.23	
1407.	6.17	3.54	1.23	1.24	1.23	1.23	1.23	
1418.	6.25	3.54	1.24	1.25	1.24	1.25	1.24	
1450.	6.24	3.64	1.24	1.25	1.24	1.24	1.24	
1484.	6.24	3.60	1.24	1.25	1.24	1.24	1.24	
1518.	6.24	3.59	1.24	1.25	1.24	1.24	1.24	
1540.	6.23	3.61	1.24	1.25	1.24	1.24	1.24	
		2.07						
1151.	7.55	1.11	1.58	1.49	1.48	1.48	1.50	END OF
1189.	7.58	1.09	1.58	1.48	1.48	1.49	1.50	CHARGE
1251.	7.59	1.05	1.59	1.49	1.48	1.49	1.50	
1263.	7.59	1.07	1.59	1.49	1.48	1.49	1.50	
1295.	7.59	1.08	1.59	1.49	1.48	1.49	1.50	
1337.	7.59	1.07	1.59	1.49	1.48	1.49	1.50	
1382.	7.62	1.04	1.59	1.49	1.48	1.49	1.50	
1407.	7.31	.02	1.49	1.46	1.45	1.46	1.47	
1418.	7.40	1.02	1.48	1.47	1.47	1.47	1.50	
1450.	7.51	1.11	1.54	1.49	1.47	1.47	1.51	
1484.	7.53	1.02	1.56	1.49	1.47	1.48	1.50	
1518.	7.54	.99	1.58	1.49	1.47	1.47	1.50	
1540.	7.52	1.06	1.57	1.49	1.47	1.47	1.50	

PACK NO. 301 — DEPTH OF DISCHARGE 25 — TEST TEMPERATURE 0 C
GULTON 12 A.H. — PERCENT OF RECHARGE 115 — ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
2094.	6.05	6.01	1.21	1.22	1.21	1.20	1.21	END OF DISCHARGE
2128.	6.02	6.01	1.21	1.21	1.21	1.20	1.20	
2202.	6.03	6.01	1.21	1.21	1.21	1.20	1.20	
2234.	6.02	6.02	1.21	1.21	1.21	1.20	1.20	
2266.	6.03	6.00	1.21	1.21	1.21	1.20	1.20	
2352.	6.06	5.98	1.22	1.22	1.22	1.21	1.21	
2384.	6.06	6.00	1.22	1.22	1.22	1.21	1.21	
2416.	6.04	5.98	1.21	1.21	1.21	1.20	1.21	
2450.	6.01	5.99	1.21	1.21	1.21	1.20	1.20	
2474.	6.02	5.97	1.21	1.21	1.21	1.20	1.20	
2514.	6.03	5.97	1.21	1.21	1.21	1.20	1.20	
2536.	6.04	6.00	1.21	1.21	1.21	1.20	1.20	
		3.45						
2094.	7.81	2.31	1.55	1.55	1.54	1.65	1.56	END OF CHARGE
2128.	7.82	2.37	1.56	1.55	1.54	1.65	1.54	
2202.	7.83	2.24	1.55	1.55	1.55	1.64	1.54	
2234.	7.80	2.26	1.55	1.55	1.54	1.63	1.55	
2266.	7.83	2.30	1.55	1.55	1.54	1.64	1.54	
2352.	7.87	2.18	1.57	1.56	1.55	1.66	1.56	
2384.	7.81	2.28	1.55	1.55	1.54	1.64	1.55	
2416.	7.82	2.19	1.55	1.55	1.53	1.64	1.55	
2450.	7.70	1.92	1.53	1.53	1.53	1.59	1.53	
2474.	7.74	1.87	1.54	1.54	1.53	1.63	1.54	
2514.	7.83	2.12	1.55	1.55	1.54	1.64	1.54	
2536.	7.78	2.22	1.55	1.55	1.53	1.63	1.54	

PACK NO. 227 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
GULTON 12 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 6.0	CELL VOLTAGE 1	2	3	4	5	
1463.	5.82	6.55	1.17	1.15	1.15	1.15	1.16	END OF
1501.	5.92	5.98	1.18	1.17	1.17	1.18	1.18	DISCHARGE
1575.	5.73	5.93	1.14	1.13	1.13	1.14	1.15	
1607.	5.68	5.95	1.13	1.12	1.12	1.13	1.14	
1649.	5.60	5.96	1.11	1.10	1.10	1.12	1.13	
1695.	5.63	5.95	1.12	1.11	1.11	1.13	1.13	
1719.	5.59	5.95	1.12	1.11	1.11	1.13	1.13	
1783.	5.56	5.94	1.11	1.10	1.09	1.11	1.12	
1815.	5.54	6.00	1.10	1.10	1.09	1.11	1.11	
1847.	5.70	5.95	1.14	1.13	1.13	1.14	1.13	
1877.	5.66	5.93	1.13	1.12	1.12	1.13	1.13	
1903.	5.59	5.90	1.12	1.11	1.11	1.12	1.12	
		3.75						
1463.	7.20	3.84	1.43	1.43	1.42	1.42	1.44	END OF
1501.	7.21	3.80	1.43	1.43	1.43	1.43	1.44	CHARGE
1575.	7.21	3.77	1.43	1.43	1.43	1.43	1.44	
1607.	7.20	3.77	1.43	1.43	1.43	1.43	1.44	
1649.	7.20	3.79	1.43	1.43	1.42	1.43	1.44	
1695.	7.21	3.79	1.43	1.43	1.43	1.43	1.44	
1757.	7.22	3.79	1.43	1.44	1.43	1.44	1.45	
1783.	7.19	3.78	1.43	1.43	1.42	1.43	1.44	
1815.	7.21	3.81	1.43	1.44	1.43	1.43	1.44	
1847.	7.20	3.80	1.43	1.43	1.43	1.43	1.44	
1877.	7.21	3.82	1.43	1.43	1.43	1.43	1.44	
1903.	7.23	3.81	1.44	1.44	1.43	1.44	1.45	

PACK NO. 296 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C
GULTON 12 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 9.60	CELL VOLTAGES 1	2	3	4	5	
2316.	5.23	9.57	1.06	1.06	1.06	1.04	1.05	END OF DISCHARGE
2350.	5.37	9.59	1.08	1.09	1.07	1.06	1.07	
2396.	5.25	9.60	1.05	.97	1.05	1.03	1.04	
2424.	5.07	9.64	1.02	1.04	1.02	.99	1.00	
2456.	5.18	9.63	1.04	1.06	1.04	1.03	1.02	
2488.	5.09	9.58	1.03	1.04	1.02	1.01	1.02	
2574.	5.34	9.64	1.09	1.09	1.08	1.05	1.07	
2606.	5.46	9.65	1.10	1.10	1.10	1.07	1.09	
2638.	5.54	9.59	1.11	1.11	1.12	1.10	1.11	
2672.	5.05	9.09	1.02	1.01	1.02	1.00	1.01	
2693.	5.46	9.35	1.11	1.11	1.10	1.08	1.10	
2733.	5.49	9.46	1.11	1.11	1.10	1.07	1.09	
2755.	5.34	9.25	1.08	1.07	1.06	1.04	1.07	
		6.00						
2316.	7.37	5.23	1.48	1.49	1.47	1.47	1.49	END OF CHARGE
2350.	7.39	.24	1.48	1.48	1.46	1.46	1.48	
2396.	7.37	5.00	1.48	1.48	1.46	1.46	1.48	
2424.	7.37	5.15	1.47	1.48	1.46	1.46	1.48	
2456.	7.38	5.17	1.48	1.49	1.47	1.46	1.49	
2488.	7.37	5.22	1.48	1.48	1.47	1.46	1.49	
2574.	7.42	5.14	1.49	1.49	1.48	1.48	1.50	
2606.	7.37	4.98	1.47	1.48	1.46	1.47	1.48	
2638.	7.44	5.71	1.49	1.50	1.47	1.47	1.50	
2672.	7.32	4.36	1.47	1.47	1.46	1.46	1.46	
2693.	7.35	5.11	1.48	1.48	1.47	1.47	1.48	
2733.	7.35	5.15	1.47	1.47	1.46	1.46	1.47	
2755.	7.37	5.69	1.47	1.48	1.46	1.46	1.47	

PACK NO. 78 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
GULTON 12 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.60	CELL VOLTAGES 1	2	3	4	5	
2028.	4.65	3.39	1.15	1.14	1.16	.00	1.16	END OF DISCHARGE
2066.	4.60	3.55	1.14	1.13	1.15	.00	1.15	
2114.	4.64	3.55	1.15	1.14	1.17	.00	1.16	
2140.	4.58	3.57	1.13	1.13	1.16	.00	1.14	
2172.	4.62	3.51	1.14	1.14	1.16	.00	1.15	
2214.	4.59	3.60	1.13	1.13	1.15	.00	1.14	
2260.	4.68	3.59	1.16	1.16	1.17	.00	1.17	
2284.	4.58	3.58	1.14	1.14	1.16	.00	1.15	
2348.	4.60	3.59	1.13	1.14	1.16	.00	1.15	
2380.	4.58	3.63	1.13	1.13	1.15	.00	1.14	
2412.	4.56	3.60	1.13	1.13	1.15	.00	1.13	
2442.	4.55	3.51	1.13	1.12	1.15	.00	1.13	
2468.	4.43	3.66	1.10	1.09	1.12	.00	1.10	
		2.88						
2028.	5.60	2.86	1.40	1.40	1.40	.00	1.40	END OF CHARGE
2066.	5.61	2.93	1.40	1.40	1.40	.00	1.41	
2114.	5.61	2.92	1.40	1.40	1.40	.00	1.41	
2140.	5.61	2.93	1.40	1.40	1.40	.00	1.41	
2172.	5.61	2.93	1.40	1.40	1.40	.00	1.41	
2214.	5.61	2.93	1.40	1.40	1.40	.00	1.40	
2260.	5.63	2.93	1.41	1.41	1.41	.00	1.41	
2284.	5.59	2.92	1.41	1.41	1.41	.00	1.41	
2348.	5.60	2.92	1.41	1.40	1.40	.00	1.40	
2380.	5.61	2.90	1.41	1.40	1.40	.00	1.41	
2412.	5.55	2.90	1.39	1.39	1.39	.00	1.39	
2442.	5.56	2.92	1.39	1.39	1.39	.00	1.39	
2468.	5.56	2.92	1.39	1.39	1.39	.00	1.39	

PACK NO. 290 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
GULTON 12 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
2320.	5.51	5.91	1.09	1.12	1.11	1.12	1.08	END OF
2353.	5.44	5.91	1.08	1.11	1.10	1.11	1.07	DISCHARGE
2397.	5.39	6.00	1.07	1.09	1.07	1.12	1.06	
2467.	5.47	6.04	1.09	1.10	1.10	1.11	1.09	
2497.	6.36	5.28	1.27	1.27	1.26	1.27	1.26	
2555.	6.40	5.58	1.28	1.28	1.28	1.28	1.28	
2577.	5.44	5.98	1.10	1.10	1.11	1.10	1.06	
2609.	6.35	5.13	1.27	1.27	1.27	1.27	1.27	
2641.	6.39	5.14	1.28	1.28	1.28	1.28	1.28	
2673.	6.29	5.35	1.26	1.26	1.26	1.26	1.26	
2705.	5.45	6.00	1.10	1.10	1.10	1.08	1.10	
2737.	6.29	5.13	1.26	1.25	1.25	1.25	1.26	
2761.	5.41	6.00	1.08	1.10	1.09	1.07	1.08	
		4.80						
2320.	7.24	3.93	1.44	1.45	1.44	1.45	1.44	END OF
2353.	7.22	4.00	1.44	1.45	1.44	1.44	1.45	CHARGE
2397.	7.23	3.96	1.44	1.44	1.44	1.44	1.44	
2467.	7.23	4.17	1.45	1.45	1.44	1.43	1.45	
2497.	7.22	4.28	1.44	1.44	1.43	1.43	1.44	
2555.	7.24	4.08	1.45	1.45	1.45	1.44	1.44	
2577.	7.27	4.07	1.45	1.46	1.45	1.45	1.45	
2609.	7.24	4.08	1.45	1.45	1.45	1.45	1.45	
2641.	7.25	4.10	1.45	1.45	1.45	1.45	1.45	
2673.	7.29	4.16	1.45	1.45	1.47	1.47	1.45	
2705.	7.13	4.36	1.43	1.43	1.43	1.42	1.42	
2737.	7.16	4.31	1.43	1.43	1.43	1.43	1.43	
2761.	7.16	4.34	1.43	1.43	1.44	1.42	1.44	

PACK NO. 213 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GULTON HSI 6 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.0	CELL VOLTAGES 1	2	3	4	5	
1145.	6.17	3.00	1.22	1.22	1.22	1.22	1.22	
1191.	6.25	3.00	1.23	1.13	1.23	1.23	1.24	END OF DISCHARGE
1219.	6.16	3.01	1.22	1.22	1.22	1.22	1.22	
1251.	6.15	3.01	1.22	1.22	1.22	1.22	1.22	
1283.	6.17	3.01	1.22	1.22	1.22	1.22	1.22	
1369.	6.15	3.02	1.22	1.23	1.22	1.23	1.22	
1382.	6.30	3.03	1.25	1.25	1.25	1.25	1.25	
1416.	6.16	3.02	1.23	1.23	1.23	1.23	1.22	
1440.	6.14	3.02	1.22	1.22	1.22	1.22	1.22	
1480.	6.16	3.04	1.22	1.22	1.22	1.22	1.22	
1502.	6.14	3.04	1.22	1.22	1.22	1.22	1.22	
		1.73						
1145.	7.76	1.30	1.53	1.53	1.52	1.57	1.57	END OF CHARGE
1191.	7.73	1.34	1.53	1.53	1.52	1.56	1.56	
1219.	7.75	1.27	1.53	1.53	1.53	1.57	1.56	
1251.	7.77	1.27	1.53	1.53	1.52	1.57	1.56	
1283.	7.77	1.25	1.53	1.53	1.52	1.56	1.56	
1369.	7.76	1.26	1.54	1.54	1.53	1.58	1.57	
1382.	7.68	1.50	1.53	1.52	1.53	1.53	1.53	
1416.	7.69	1.17	1.52	1.52	1.52	1.56	1.55	
1440.	7.69	1.13	1.52	1.52	1.51	1.56	1.56	
1480.	7.69	1.12	1.52	1.52	1.51	1.56	1.56	
1502.	7.70	1.15	1.52	1.52	1.51	1.56	1.56	

PACK NO. 218 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C
GULTON HSI 6 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 4.8	CELL VOLTAGES 1	2	3	4	5	
1116.	5.45	4.70	1.09	1.07	1.08	1.09	1.08	END OF DISCHARGE
1149.	5.42	4.69	1.08	1.07	1.07	1.08	1.07	
1229.	5.29	4.80	1.07	1.05	1.04	1.06	1.05	
1263.	5.46	4.76	1.10	1.08	1.09	1.09	1.08	
1293.	5.29	4.71	1.05	.94	1.04	1.05	1.02	
1351.	5.15	4.69	1.03	1.03	1.02	1.04	1.01	
1373.	5.37	4.78	1.09	1.08	1.07	1.08	1.07	
1387.	5.18	4.83	1.04	1.05	1.03	1.01	1.04	
1419.	5.42	4.82	1.09	1.09	1.07	1.09	1.07	
1451.	5.56	4.81	1.12	1.12	1.09	1.11	1.11	
1483.	5.62	4.72	1.13	1.13	1.12	1.13	1.12	
1507.	5.57	4.71	1.12	1.11	1.10	1.11	1.11	
		3.00						
1116.	7.26	3.00	1.44	1.45	1.43	1.44	1.44	END OF CHARGE
1149.	7.27	2.99	1.44	1.46	1.44	1.45	1.45	
1229.	7.27	3.01	1.44	1.45	1.44	1.45	1.45	
1263.	7.27	3.01	1.44	1.45	1.44	1.45	1.45	
1293.	7.29	3.01	1.44	1.45	1.44	1.45	1.45	
1351.	7.27	3.01	1.44	1.45	1.44	1.46	1.45	
1373.	7.27	3.01	1.45	1.46	1.45	1.46	1.46	
1387.	7.10	3.01	1.42	1.42	1.41	1.42	1.42	
1419.	7.24	3.01	1.44	1.45	1.44	1.45	1.45	
1451.	7.27	3.02	1.45	1.45	1.44	1.45	1.45	
1483.	7.28	3.01	1.45	1.46	1.44	1.46	1.46	
1507.	7.28	3.00	1.44	1.45	1.44	1.46	1.45	

120

PACK NO. 238 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
GULTON HSI 6 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.0	CELL VOLTAGES 1	2	3	4	5	
1116.	5.67	3.01	1.12	1.12	1.12	1.12	1.12	END OF DISCHARGE
1149.	5.60	2.97	1.11	1.11	1.10	1.10	1.11	
1193.	5.56	2.99	1.09	.98	1.09	1.10	1.10	
1229.	5.56	2.99	1.10	1.10	1.10	1.10	1.11	
1263.	5.63	2.96	1.11	1.12	1.11	1.11	1.12	
1293.	5.66	2.96	1.10	.99	1.11	1.10	1.11	
1351.	5.48	2.95	1.08	1.09	1.08	1.09	1.10	
1373.	5.52	2.98	1.10	1.11	1.10	1.11	1.11	
1387.	5.58	2.99	1.10	1.11	1.11	1.09	1.13	
1419.	5.64	2.99	1.12	1.12	1.13	1.12	1.12	
1451.	5.36	2.97	1.07	1.07	1.06	1.06	1.07	
1483.	5.31	2.94	1.06	1.06	1.06	1.06	1.06	
1507.	5.46	2.98	1.08	1.09	1.09	1.09	1.09	
		2.40						
1116.	7.10	2.46	1.42	1.41	1.41	1.41	1.41	END OF CHARGE
1149.	7.08	2.42	1.42	1.41	1.41	1.41	1.41	
1193.	7.07	2.42	1.41	1.41	1.40	1.41	1.41	
1229.	7.08	2.42	1.42	1.41	1.41	1.41	1.41	
1263.	7.08	2.44	1.42	1.41	1.41	1.41	1.41	
1293.	7.09	2.42	1.41	1.41	1.40	1.41	1.41	
1351.	7.13	2.34	1.43	1.42	1.42	1.42	1.42	
1373.	7.07	2.11	1.42	1.42	1.42	1.42	1.42	
1387.	7.02	2.45	1.40	1.40	1.39	1.40	1.40	
1419.	7.09	2.42	1.42	1.42	1.41	1.41	1.41	
1451.	7.02	2.44	1.40	1.40	1.39	1.40	1.40	
1483.	7.02	2.45	1.41	1.41	1.40	1.41	1.40	
1507.	7.02	2.42	1.41	1.41	1.40	1.40	1.40	

PACK NO. 59 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GU 6 A.H. 3RD ELECTRODE R 10 10 10 10 10 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.00	3RD ELECT VOLTAGES 1	2	3	4	5	CELL VOLTAGES 1	2	3	4	5	AH OUT	
253.	6.00	3.03	.154	.114	.119	.109	.107	1.25	1.25	1.25	1.24	1.24	1.517	END OF
302.	5.99	3.26	.151	.114	.120	.107	.105	1.25	1.25	1.25	1.24	1.24	1.587	DISCHARGE
410.	5.95	3.03	.146	.114	.122	.103	.102	1.23	1.24	1.24	1.23	1.23	1.585	
444.	5.94	3.00	.131	.233	.101	.081	.158	1.21	1.23	1.30	1.20	1.21	1.570	
518.	5.96	3.00	.139	.109	.120	.100	.099	1.24	1.25	1.24	1.24	1.24	1.532	
590.	5.94	2.97	.138	.108	.129	.099	.094	1.23	1.24	1.24	1.23	1.23	1.485	
654.	6.02	2.99	.145	.100	.144	.109	.106	1.25	1.26	1.25	1.25	1.25	1.489	
253.	7.27	.19	.131	.102	.149	.103	.124	1.50	1.50	1.51	1.50	1.50		TRIP
302.	7.47	1.34	.131	.104	.151	.106	.121	1.54	1.54	1.56	1.54	1.54		POINT
410.	7.58	1.55	.134	.109	.155	.149	.121	1.56	1.56	1.59	1.57	1.56		
444.	7.64	1.85	.135	.120	.152	.141	.127	1.56	1.57	1.61	1.57	1.58		
518.	7.45	1.01	.124	.100	.157	.149	.118	1.53	1.53	1.56	1.55	1.54		
590.	7.67	1.82	.131	.102	.161	.134	.113	1.57	1.57	1.61	1.59	1.58		
654.	7.35	.20	.131	.091	.162	.159	.123	1.52	1.52	1.53	1.52	1.52		
													AH IN	
253.	7.22	.43	.158	.126	.159	.163	.138	1.49	1.49	1.50	1.49	1.49	1.725	END OF
302.	7.17	.51	.153	.126	.157	.154	.134	1.48	1.48	1.49	1.48	1.48	1.750	CHARGE
410.	7.14	.24	.154	.128	.157	.147	.129	1.48	1.48	1.49	1.48	1.48	1.736	
444.	7.11	.18	.151	.131	.153	.142	.131	1.47	1.47	1.48	1.47	1.47	1.712	
518.	7.16	.34	.146	.123	.158	.146	.129	1.48	1.48	1.49	1.48	1.48	1.717	
590.	7.30	.45	.145	.118	.161	.133	.118	1.50	1.50	1.52	1.51	1.50	1.658	
654.	7.05	.06	.147	.108	.180	.146	.125	1.46	1.46	1.46	1.46	1.46	1.625	

PACK NO. 71 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 0 C
GU 6 A.H. 3RD ELECTRODE R 10 10 10 10 10 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 4.80	3RD ELECT VOLTAGES 1	2	3	4	5	CELL VOLTAGES 1	2	3	4	5	AH OUT	
304.	5.82	4.87	.101	.096	.115	.072	.108	1.21	1.21	1.21	1.21	1.21	2.468	END OF
412.	5.80	4.79	.108	.103	.121	.074	.114	1.21	1.21	1.21	1.20	1.21	2.476	DISCHARGE
448.	5.79	4.74	.096	.228	.110	.056	.177	1.19	1.19	1.27	1.18	1.17	2.417	
519.	5.79	4.78	.105	.103	.121	.075	.126	1.21	1.21	1.21	1.20	1.21	2.431	
592.	5.89	4.74	.114	.099	.130	.064	.103	1.23	1.23	1.23	1.22	1.22	2.367	
656.	5.88	4.77	.115	.092	.123	.057	.100	1.23	1.23	1.23	1.22	1.22	2.405	
304.	7.28	.51	.088	.137	.145	.104	.099	1.50	1.51	1.51	1.51	1.50		TRIP
412.	7.88	3.61	.102	.135	.146	.120	.115	1.59	1.63	1.63	1.66	1.61		POINT
448.	7.90	3.66	.110	.148	.142	.123	.135	1.60	1.64	1.64	1.67	1.62		
519.	7.41	1.02	.095	.142	.144	.105	.118	1.52	1.54	1.54	1.55	1.53		
592.	7.65	2.34	.101	.141	.156	.102	.125	1.57	1.58	1.59	1.60	1.57		
656.	7.43	.62	.095	.144	.155	.091	.112	1.53	1.54	1.54	1.54	1.53		
													AH IN	
304.	7.04	.18	.121	.135	.157	.110	.115	1.46	1.46	1.46	1.46	1.45	2.683	END OF
412.	7.17	.21	.121	.145	.155	.107	.122	1.48	1.49	1.49	1.49	1.48	2.713	CHARGE
448.	7.20	.21	.124	.150	.163	.110	.131	1.49	1.49	1.49	1.49	1.49	2.619	
519.	7.13	.16	.120	.139	.159	.110	.129	1.47	1.48	1.48	1.48	1.47	2.633	
592.	7.35	.82	.128	.130	.159	.098	.124	1.51	1.52	1.52	1.53	1.51	2.537	
656.	6.97	.12	.130	.121	.160	.081	.112	1.44	1.44	1.45	1.44	1.44	2.539	

PACK NO. 11 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C
GU 6 A.H. 3RD ELECTRODE R 24 24 10 8 24 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 4.80	3RD ELECT VOLTAGES 1	2	3	4	5	CELL VOLTAGES 1	2	3	4	5	AH OUT	
1186.	4.72	4.11	.187	.355	.157	.191	.264	.95	.99	1.04	.95	.97	2.393	END OF
1251.	5.50	4.82	.290	.281	.253	.267	.251	1.15	1.15	1.14	1.14	1.15	2.389	DISCHARGE
1284.	5.99	4.91	.304	.284	.234	.253	.262	1.25	1.25	1.25	1.24	1.25	2.426	
1347.	5.52	4.87	.291	.421	.216	.218	.327	1.13	1.14	1.22	1.12	1.12	2.422	
1410.	4.65	4.26	.219	.238	.155	.170	.221	.92	.99	.99	.99	.99	2.422	
1490.	5.38	4.83	.291	.279	.193	.198	.246	1.11	1.13	1.13	1.12	1.12	2.380	
1604.	5.63	4.74	.310	.268	.189	.196	.255	1.17	1.18	1.18	1.17	1.17	2.362	
1186.	7.08	1.59	.297	.320	.265	.283	.279	1.46	1.46	1.47	1.45	1.46		TRIP
1251.	7.01	1.07	.312	.314	.266	.276	.274	1.45	1.45	1.46	1.44	1.45		POINT
1284.	6.95	.97	.313	.313	.245	.254	.292	1.44	1.44	1.44	1.43	1.44		
1347.	[illegible]	[illegible]	.322	.315	.218	.237	.275	1.46	1.47	1.48	1.46	1.47		
1410.	7.[illegible]	[illegible]	.322	.310	.202	.219	.267	1.47	1.48	1.48	1.47	1.48		
1490.	7.12	[illegible].09	.323	.300	.196	.205	.253	1.47	1.47	1.48	1.47	1.47		
1604.	7.07	1.58	.324	.284	.187	.191	.260	1.46	1.46	1.47	1.46	1.46		
1186.	6.73	.13	.329	.342	.289	.298	.303	1.41	1.40	1.41	1.40	1.40	AH IN 2.963	END OF
1251.	6.78	.13	.345	.351	.291	.299	.313	1.40	1.41	1.41	1.40	1.40	2.595	CHARGE
1284.	6.69	.06	.350	.339	.275	.279	.308	1.39	1.39	1.39	1.38	1.39	1.913	
1347.	6.79	.05	.355	.364	.258	.262	.318	1.40	1.41	1.41	1.40	1.41	2.[illegible]89	
1410.	6.85	.09	.340	.341	.220	.230	.294	1.42	1.42	1.43	1.42	1.42	2.984	
1490.	6.80	.07	.356	.352	.228	.230	.300	1.41	1.41	1.41	1.40	1.41	2.540	
1604.	6.82	.07	.358	.330	.216	.212	.303	1.41	1.41	1.42	1.41	1.41	2.556	

PACK NO. 23 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
GU 6 A.H. 3RD ELECTRODE R 12 18 20 29 24 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.00	3RD ELECT VOLTAGES 1	2	3	4	5	CELL VOLTAGES 1	2	3	4	5	AH OUT	
1240.	5.60	3.38	.208	.225	.226	.292	.275	1.17	1.17	1.17	1.17	1.17	1.518	END C
1273.	6.11	3.35	.210	.228	.239	.293	.298	1.27	1.27	1.27	1.27	1.27	1.498	DISC
1330.	5.78	3.09	.193	.352	.214	.287	.368	1.18	1.19	1.27	1.18	1.17	1.475	
1399.	5.55	3.35	.191	.214	.221	.284	.284	1.16	1.16	1.16	1.16	1.16	1.540	
1479.	5.46	3.09	.178	.197	.205	.261	.262	1.14	1.14	1.14	1.14	1.14	1.533	
1536.	5.54	3.05	.174	.192	.201	.253	.260	1.16	1.15	1.15	1.15	1.15	1.562	
1605.	5.60	3.10	.181	.199	.205	.258	.271	1.17	1.17	1.17	1.17	1.16	1.516	
1240.	6.90	.06	.257	.263	.273	.315	.323	1.43	1.43	1.43	1.42	1.43		TRIP
1273.	6.86	.06	.249	.252	.275	.312	.318	1.42	1.42	1.43	1.42	1.42		POINT
1330.	6.86	.03	.255	.265	.274	.309	.335	1.42	1.42	1.43	1.42	1.42		
1399.	6.88	.07	.241	.247	.258	.299	.324	1.43	1.43	1.43	1.42	1.43		
1479.	6.91	.11	.235	.238	.253	.294	.314	1.43	1.43	1.44	1.42	1.43		
1536.	**7.02**	**1.05**	**.225**	**.226**	**.243**	**.284**	**.311**	**1.45**	**1.45**	**1.46**	**1.45**	**1.45**		
1605.	6.90	.01	.232	.236	.250	.292	.318	1.43	1.43	1.43	1.42	1.43		
1240.	6.75	.01	.290	.295	.305	.372	.369	1.40	1.40	1.40	1.39	1.40	AH IN 1.838	END C
1273.	6.74	.01	.273	.282	.304	.375	.367	1.39	1.40	1.40	1.40	1.40	2.647	CHARG
1330.	6.77	.01	.273	.286	.291	.352	.373	1.40	1.41	1.41	1.40	1.40	1.806	
1399.	6.76	.01	.261	.274	.290	.342	.366	1.40	1.40	1.41	1.40	1.40	1.803	
1479.	6.75	.00	.254	.263	.281	.332	.350	1.40	1.40	1.40	1.39	1.40	1.770	
1536.	6.77	.01	.248	.255	.276	.323	.345	1.40	1.40	1.40	1.40	1.40	1.881	
1605.	6.76	.00	.249	.255	.275	.323	.351	1.40	1.40	1.41	1.40	1.40	1.791	