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16 AUG 1965

From: Commanding Officer, U. S. Naval Ammunition Depot, Crane, Indiana
To: National Aeronautics and Space Administration, Goddard Space Flight Center, Electrochemical Power Sources Section (636.2), Space Power Technology Branch, Greenbelt, Maryland 20771

Subj: Monthly Progress Report on National Aeronautics and Space Administration Space Cell Test Program; submission of

Encl: (1) Monthly Progress Report as of 31 July 1965 (3 copies)

1. The progress report for National Aeronautics and Space Administration purchase order W11,252B on the space cell test program is submitted as enclosure (1).

E. R. PETTEBONE

S. M. FASIG
By direction

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MONTHLY PROGRESS REPORT THROUGH 31 JULY 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: 135

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	8	4	1	34
Gould 3.5 a.h.	12	4	8	2	57
Sonotone 5.0 a.h.	12	9	3	1	29
Gulton 6.0 a.h.	12	5	7	0	59
TOTAL	48	26	22	4	179
NICKEL CADMIUM (5-cell packs)					
Sonotone 3.0 a.h.	6	6	0	0	0
G.E. 5.0 a.h. NIMBUS	6	6	0	0	0
G.E. 12 a.h.	13	10	3	0	14
G.E. 12 a.h. 3rd Elect.	1	1	0	0	0
Gulton 4.0 a.h.	6	6	0	0	0
Gulton 5.0 a.h. NIMBUS	6	6	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.	6	6	0	0	0
Gulton 12 a.h.	6	6	0	1	3
Gulton 20 a.h.	12	5	7	0	28
Gulton 50 a.h.	2	0	2	0	6
Gould 20 a.h.	12	6	6	1	21
TOTAL	80	62	18	2	74
SILVER CADMIUM (10-cell packs)					
Yardney 12 a.h.	2	0	2	0	16
TOTAL	2	0	2	0	16
SILVER ZINC (10-cell packs)					
Yardney 12 a.h.	1	0	1	6	6
TOTAL	1	0	1	6	6
SILVER ZINC (5-cell packs)					
Delco 25 a.h.	3	0	3	0	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 5 through 40.

Enclosure (1)

2. Test Parameters:

a. General Cycling Program:

(1) Ambient Temperature:

(a) 0° C.

(b) 25° C.

(c) 40° C.

(2) Voltage limits per pack on charge:

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

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

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

(3) Depth of Discharge:

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

1. 15 percent and 25 percent at 0° C.

2. 25 percent and 40 percent at 25° C.

3. 15 percent and 25 percent at 40° C.

(b) 24-hour orbits:

1. 50 percent at 25° C and 40° C.

(4) Orbit Times:

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

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

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

b. Nimbus Packs:

(1) Ambient Temperature:

(a) 0° C.

(b) 25° C.

(c) 40° C.

(2) Voltage limit per pack on charge: 1.49 ± 0.03 volts per cell at each temperature.

(3) Depth of Discharge:

(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.

(4) Orbit Time: 90 minutes--30-minute discharge and 60-minute charge.

c. Silver-Cadmium Packs:

(1) Ambient Temperatures:

(a) 0° C.

(b) 40° C.

(2) Voltage limits per pack on charge: 1.50 ± 0.03 volts per cell at both temperatures.

(3) Depth of Discharge: 50 percent at both temperatures.

(4) Orbit Time: 24 hours--1-hour discharge and 23-hour charge.

d. Silver-Zinc Packs:

(1) Ambient Temperature: 25° C.

(2) Voltage limit per pack on charge: 1.97 ± 0.03 volts per cell at 25° C.

(3) Depth of Discharge:

(a) 3-hour orbit: 40 percent at 25° C.

(b) 24-hour orbit: 25 percent and 40 percent at 25° C.

(4) Orbit Times:

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

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

e. Third Electrode Packs (Gulton):

(1) Ambient Temperatures:

(a) 0° C.

(b) 25° C.

(c) 40° C.

(2) Voltage limits per pack on charge: None. Limit is controlled by the third electrode voltage:

(a) 150 millivolts at 0° C.

(b) 300 millivolts at 25° C.

(c) 300 millivolts at 40° C.

(3) Depth of Discharge:

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

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

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

(4) Orbit Time: 90 minutes--30-minute discharge and 60-minute charge.

3. Data:

a. Under normal operation, complete data is scheduled to be recorded every 32 cycles on the 90-minute and 3-hour packs. On the 24-hour packs, 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. Before 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 per cell average. After each 88 days of cycling, each pack was discharged immediately after the end of the regular cycle charge period, at the c/2 rate to 1.0 volt per cell average. The pack was then recharged at the c/10 rate for 16 hours and discharged at the c/2 rate to 1.0 volt per 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 41 through 47.

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
15	25%	1.5	25°	432	7	8065	Low Volt Disch, Low Volt Chg, Blistering on Bottom Edge of Pos Plate, Migration of Neg Plate Material, Separator Completely Deteriorated.
			25°	414	8	8245	Low Volt Disch, Low Volt Chg, Blistering on Bottom Edge of Pos Plate, Migration of Neg Plate Material, Separator Completely Deteriorated.
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.

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
20	40%	3.0	25°	421	5	3704	Low Volt Disch, Low Volt Chg, Blistering on Bottom and Top Edge of Pos Plate, Migration of Neg Plate Material, Separator Completely Deteriorated.
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.
			40°	527	1	7213	Low Volt Disch, Normal Volt Chg, Deposit Around Pos Terminal, Pos Tab Burned, Migration of 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
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.
			40°	366	8	3848	Low Volt Disch, High Volt Chg, Pinpoint Penetration, Separator Deteriorated, Blistering on Bottom Edge of Pos Plate.

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.
			25°	131	7	3884	Low Volt Disch, Normal Volt Chg, Deposit Around Glass Seal, Leaked, Lost 1.7 gm, Neg Plate Material Loose, Pinpoint Penetration, Separator Deteriorated.
			25°	62	3	*4173	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Leaked, Lost 1.4 gm, One Weak Weld on Pos Tab to Plate, 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
3	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.
			0°	194	10	*8367	Low Volt Disch, Normal Volt Chg, Under High Pressure When Opened, Pinpoint Penetration, Migration of Active Material Around Tab Areas.

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.
			25°	4878	6	*7782	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, Short Caused by Excess Scoring, Migration of Neg Plate Material, Separator Completely Deteriorated.
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.
			25°	3611	1	*6671	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, High Pressure Bulge, Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely 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
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°	6875	9	*3798	Low Volt Disch, Normal Volt Chg, High Pressure Bulge, Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.
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.
			40°	4364	4	*7052	Low Volt Disch, Normal Volt Chg, Deposit on Glass Seal, High Pressure Bulge, Short Caused by Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely Deteriorated.
			40°	4317	1	*7758	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely 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
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.
29	15%	3.0	40°	3626	1	1418	Shorted on Cycling, Neg Tab Welds Poor, Active Plate Material Penetrated Separator at Scoring Marks.

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
30	25%	3.0	40°	3657	7	855	Hole in Separator Allowing Pos Plate to Hit Case, Separator Damaged at Center of Cell Alowing 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.
			40°	3658	8	*3684	Low Volt Disch, Low Volt Chg, Deposit on Glass Seal, Leaked, Lost 1.3 gm, Short Caused by Excess Scoring, Migration of Pos and Neg Plate Material, Separator Completely 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 Slightly 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.
			40°	2340	6	3619	Low Volt Disch, Normal Volt Chg, Deposit Around Ceramic Seal and Bottom Seam of Can, Leaked, Lost 8.2 gm, Pinpoint Penetration, Separator Deteriorated.

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.
			0°	2227	7	*8590	Low Volt Disch, Low Volt Chg, High Pressure Bulge, Still Under Pressure When Opened, Pinpoint Penetration, Blistering on Pos Plates, 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
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
82	25%	1.5	25°	430	2	7527	Low Volt Disch, Normal Volt Chg, Pierced Separator Caused By Rough Place at Top Edge of Neg Plate, Neg Plate Material Migrated, Separator Deteriorated.
93	50%	24	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.
			40°	204	1	349	Low Volt Disch, Normal Volt Chg, Deposit on Pos Terminal, Pin-point Penetration, Separator Deteriorated.
			40°	209	3	349	Low Volt Disch, Normal Volt Chg, Deposit on Pos and Neg Terminal, Migration of Neg Plate Material, Separator Deteriorated.
			40°	210	4	349	Low Volt Disch, Normal Volt Chg, Deposit on Neg Terminal, Pin-point Penetration, Separator Deteriorated.
			40°	211	5	349	Low Volt Disch, Normal Volt Chg, Deposit on Neg Terminal, Migration of Neg Plate Material, Separator Deteriorated, Plate Not Packed Evenly.

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
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.
97	40%	3.0	25°	438	2	3894	Low Volt Disch, Low Volt Chg, Deposit on Pos and Neg Terminals, Pinpoint Penetration, Separator Deteriorated.
			25°	435	3	3946	Low Volt Disch, Normal Volt Chg, Still Under Pressure When Opened, Migration of Neg Plate Material, Blistering on Pos Plate, Separator Deteriorated.
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 12 Ampere-Hour

PACK NUMBER	DEPTH OF DISCHARGE	ORBIT PERIOD (HOURS)	TEST TEMPERATURE	CELL NUMBER	POSITION IN PACK	CYCLES COMPLETED	FAILURE ANALYSIS
290	25%	1.5	40°	1460	4	*3060	Low Volt Disch, Low Volt Chg, Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated Allowing Plates to Short Together.
			40°	1459	3	*3318	Shorted on Cycling, Pinpoint Penetration, Blistering on Pos Plates, Separator Completely Deteriorated Allowing Plates to Short Together.

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.
			25°	465	4	*7763	Low Volt Disch, Low Volt Chg, Deposit on Pos Terminal, Sides Concave, Migration of Active Plate Material, Blistering on Pos Plates, Separator Completely Deteriorated, Ceramic Short.
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.

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
76	15%	1.5	40°	453	2	7697	Shorted on Cycling, Deposit on Neg Terminal, Ceramic Broken Around Neg Terminal, Extraneous Active Material Caused Short Between Plates, Separator Completely Deteriorated.
			40°	431	4	*7698	Cell Shorted During Shut Down for Cell Removal, High Pressure Bulge, Still Under Pressure When Opened, Pinpoint Penetration, Causing Shorts, Separator Completely Deteriorated.
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 Broken, 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.
108	15%	3.0	40°	81	2	*4003	Shorted on Cycling, Still Under Pressure When Opened, Several Shorts Caused by Small Pieces of Metal Between Plates, Blistering on Pos Plates, Separator Deteriorated.

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
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 Coroner 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 Ampere-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.
288	40%	3.0	25°			120	Returned to Manufacturer for Analysis.

CELL TYPE: Delco 40 Ampere-Hour

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

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. 3 A.H.	63	1.5*	15	0	3.48		3.18	3.12	3.05	3.03	3.05	2.90			
	64		25	0	3.50		3.33	3.70	3.38	3.35	3.42	3.27			
	15		25	25	4.00		3.38	2.93	2.33	1.95	1.47	1.15			
	16		40	25	4.08		2.75	2.10	1.35	----	----	----	----	----	5013
	39		15	50/40	1.65	2.43 (779)	2.10	1.53	1.25	1.17	0.70	----	----	----	8109
	40		25	50/40	1.80	2.50 (1440)	0.88**	0.88	----	----	----	----	----	----	2509
G.E. 3 A.H.	67	3	15	0	3.63		3.25	3.40	3.53	2.97	3.25	2.95			
	68		25	0	3.50		3.35	3.53	3.40	3.27	3.25	2.93			
	19		25	25	3.93		3.78	3.48	3.15	3.00	2.78	2.48			
	20		40	25	3.78		3.00	2.35	2.07	1.83	2.00	1.62			
	43		15	50/40	1.77	2.63 (320)	2.20	1.61	1.65	----	----	----	----	----	2656
	44		25	50/40	1.60	2.00 (327)	1.35	1.19	1.15	1.10	0.95	0.88			
Gould 3.5 A.H.	51	1.5	15	0	3.62		4.00	3.33	3.41	3.21	3.35	3.15			
	52		25	0	3.33		3.85	3.53	3.18	3.30	3.24	2.80			
	3		25	25	4.00		3.82	2.92	2.25	----	----	----	----	----	4751
	4		40	25	3.94		3.38	2.77	----	----	----	----	----	----	3164
	27		15	50/40	1.53	2.63 (779)	2.07	1.95	1.90	----	----	----	----	----	4485
	28		25	50/40	1.55	2.07 (424)	2.86	----	----	----	----	----	----	----	1811
Gould 3.5 A.H.	55	3	15	0	3.27		3.59	3.15	3.38	3.33	3.27	3.03			
	56		25	0	3.50		3.91	3.53	3.65	3.41	3.38	3.30			
	7		25	25	4.32		4.03	3.79	3.53	2.77	2.28	2.51			
	8		40	25	4.29		3.65	3.35	3.03	----	----	----	----	----	2494
	31		15	50/40	1.60	1.31 (328)	1.75	1.98	2.16	----	----	----	----	----	2524
	32		25	50/40	1.55	1.66 (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	4.50			
	50		25	0	5.04		4.96	4.58	4.25	3.79	3.67	3.67			
	1		25	25	5.42		3.67	2.33	2.88	2.79	2.21	2.58			
	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	1.54			
	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	5.54			
	54		25	0	4.92		3.96	3.96	4.13	3.96	3.75	3.29			
	5		25	25	5.71		4.58	3.04	2.04	2.13	2.13	2.08			
	6		40	25	5.83		4.50	3.29	3.25	2.92	2.33	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 (183)	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	2.15			
	62		25	0	5.00		4.75	3.80	4.35	3.55	3.30	3.30			
	13		25	25	5.80		2.75	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	5.15			
	66		25	0	4.25		5.00	3.50	2.50	3.80	3.90	3.45			
	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	13.7			
	124		25	0	14.2		13.5	12.9	12.8	11.4	11.5				
	82		25	25	15.2		8.00	5.55	5.50	5.40	5.70	5.00			
	96		40	25	14.8		6.00	7.65	----	----	----	----	----	----	4020
	85		15	50/40	6.80	8.20 (334)	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	12.0			
	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	5.20	4.80	4.40			
	97		40	25	14.9		5.60	5.86	7.90	8.20	6.80	5.50			
	86		15	50/40	7.10	8.20 (205)	6.30	3.70	4.00	3.50	2.90				
	100		25	50/40	7.00	9.80 (70)	3.80	4.70	5.70	5.10	4.00				
Gould 20 A.H.	84	1.5	15	0	22.5		27.7	26.5	24.2	24.7	21.7	22.3			
	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	19.7				
	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	12.3				
	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	----	----	----	----	----	----	----	2288
	73		25	25	23.3		7.17	9.50	7.83	8.67	8.83	----	----	----	7763
	87		40	25	23.3		----	----	----	----	----	----	----	----	627
	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		18.8	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	4.05					
								(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	54.6		59.6	45.4	----	----	----	----	----	----	3227

* 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 PRECONDI-TIONING	CAPACITY CHECKS AFTER 88-DAY INTERVALS										CYCLES TO PACK FAILURE
						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 (Comm.) 4 A.H.	315	1.5	15	0	5.04	3.57	4.03	4.00								
	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	14.4									
	227		25	25	14.1	5.90										
	296		40	25	13.3	4.70	5.40									
	78		15	40	6.80	4.30	3.10									
	290		25	40	11.4	5.40	3.60									
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	----	----	----	----	----	----	----	----	----	----	57

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AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES

	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE °C	INITIAL PRECONDI-TIONING	CAPACITY CHECKS AFTER 88-DAY INTERVALS										CYCLES TO PACK FAILURE
						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	5.38											
	120		15	25	5.25											
	318		25	25	5.46											
	127		15	40	3.29											
	128		25	40	3.04											
Gulton 6 A.H. (Third elec-trode)	59	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	2.95											
	47		25	40	3.95											
G.E. (Nimbus) 5 A.H.	103	1.5	15	0	5.42											
	107		25	0	5.21											
	106		15	25	4.67	4.13										
	304		25	25	5.58											
	113		15	40	3.67											
	114		25	40	3.83											
G.E. 12 A.H. (Third elec-trode)	60	1.5	0													
	72		0													
	12		25		10.2											
	24		25													
	36		40													
	48		40													

AMPERE-HOUR CAPACITIES ON PRECONDITIONING AND CAPACITY CHECK CYCLES

	PACK NUMBER	ORBIT PERIOD (Hours)	DEPTH OF DISCHARGE	TEMPERATURE °C	INITIAL PRECONDI-TIONING	CAPACITY CHECKS AFTER 88-DAY INTERVALS										CYCLES TO PACK FAILURE
						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	
Sonotone (Triple Sealed) 3 A.H.	243	1.5	15	0	3.23											
	231		25	0	2.88											
	203		25	25	3.35											
	202		40	25	3.60											
	226		15	40	3.53											
	237		25	40	3.48											

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 55-62)	3	63	0	0.5	1.0	15	115	1.55	8735	9161	426	10	10
		64	0	"	"	25	"	"	8712	9137	425	10	10
		15	25	"	"	25	125	1.49	8669	8948	279	8	7
		16	25	"	"	40	"	"		FAILED		.	
		39	40	"	"	15	160	1.45		FAILED			
		40	40	"	"	25	"	1.41		FAILED			
		67	0	"	2.5	15	115	1.55	4214	4429	215	10	10
		68	0	"	"	25	"	"	4245	4462	217	10	10
		19	25	"	"	25	125	1.49	4223	4440	217	10	10
		20	25	"	"	40	"	"	3996	4233	227	9	9
		43	40	"	"	15	160	1.45		FAILED			
		44	40	"	"	25	"	"	3895	4119	224	6	6
GOULD (pages 63-67)	3.5	51	0	"	1.0	15	115	1.55	8752	9178	426	10	10
		52	0	"	"	25	"	"	8494	8875	381	9	8
		3	25	"	"	25	125	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	4244	4459	215	10	10
		56	0	"	"	25	"	"	4216	4433	217	10	10
		7	25	"	"	25	125	1.49	3978	4173	195	5	0
		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
SONOTONE (pages 68-77)	5	49	0	0.5	1.0	15	115	1.55	8485	8900	415	9	9
		50	0	"	"	25	"	"	8472	8902	430	10	10
		1	25	"	"	25	125	1.49	8202	8626	424	7	7
		2	25	"	"	40	"	"		FAILED			
		25	40	"	"	15	160	1.45	7858	8306	448	7	7
		26	40	"	"	25	"	"		FAILED			
		53	0	"	2.5	15	115	1.55	4097	4314	217	10	10
		54	0	"	"	25	"	"	4126	4338	212	10	10
		5	25	"	"	25	125	1.49	4191	4262	72	10	9
		6	25	"	"	40	"	"	4026	4242	217	6	6
		29	40	"	"	15	160	1.45	4014	4255	241	9	8
		30	40	"	"	25	"	"	3912	4112	200	6	6
GULTON (pages 78-82)	6	61	0	"	1.0	15	115	1.55	7625	8050	425	6	6
		62	0	"	"	25	"	"	8068	8532	464	7	7
		13	25	"	"	25	125	1.49		FAILED			
		14	25	"	"	40	"	"		FAILED			
		37	40	"	"	15	160	1.45		FAILED			
		38	40	"	"	25	"	"		FAILED			
		65	0	"	2.5	15	115	1.55	4229	4446	217	10	10
		66	0	"	"	25	"	"	3948	4142	194	5	5
		17	25	"	"	25	125	1.49		FAILED			
		18	25	"	"	40	"	"		FAILED			
		41	40	"	"	15	160	1.45		FAILED			
		42	40	"	"	25	"	"	3716	3950	234	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
G.E. (pages 83-[illegible])	12	110	0	0.5	1.0	15	115	1.55	8128	8603	475	5	5
		124	0	"	"	25	"	"	7895	8370	475	5	5
		82	25	"	"	25	125	1.49	8136	8584	448	4	4
		96	25	"	"	40	"	"		FAILED		.	
		85	40	"	"	15	160	1.45	7991	8465	474	5	5
		99	40	"	"	25	"	"		FAILED			
		111	0	"	2.5	15	115	1.55	4077	4316	239	5	5
		125	0	"	"	25	"	"	4059	4298	239	5	5 "
		[illegible]	25	"	"	25	125	1.49	4134	4351	217	5	5
		[illegible]	25	"	"	40	"	"	4116	4326	210	3	3
		86	40	"	"	15	160	1.45	4030	4269	239	5	5
		100	40	"	"	25	"	"	3893	4110	217	5	4
GOULD (Pages 93-98)	20	84	0	"	1.0	15	115	1.55	8074	8504	430	5	5
		98	0	"	"	25	"	"	7767	8245	478	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			
		80	0	"	2.5	15	115	1.55	4031	4250	219	5	5
		94	0	"	"	25	"	"	3897	4138	241	5	5
		105	25	"	"	25	125	1.49	3887	4126	239	5	5
		119	25	"	"	40	"	"		FAILED			
		108	40	"	"	15	160	1.45	3842	4005	163	4	4
		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 99-104)	20	101	0	0.5	1.0	15	115	1.55		FAILED			
		115	0	"	"	25	"	"		FAILED			
		73	25	"	"	25	125	1.49	7728	7763	35	3	0
		87	25	"	"	40	"	"		FAILED			
		76	40	"	"	15	160	1.45	7699	8161	462	4	3
		90	40	"	"	25	"	"		FAILED			
		102	0	"	2.5	15	115	1.55	3837	4110	217	4	4
		116	0	"	"	25	"	"	3692	3933	241	5	5
		74	25	"	"	25	125	1.49		FAILED			
		88	25	"	"	40	"	"		FAILED			
		77	40	"	"	15	160	1.45	3849	4088	239	5	5
		91	40	"	"	25	"	"	3665	3904	239	3	3
G.E. NIMBUS (pages 105-110)	5	103	0	"	1.0	15	110	1.49	1022	1500	478	5	5
		107	0	"	"	25	"	"	385	857	472	5	5
		106	25	"	"	15	120	"	1045	1520	475	5	5
		304	25	"	"	25	"	"	305	777	472	5	5
		113	40	"	"	15	130	"	1046	1520	474	5	5
		114	40	"	"	25	"	"	271	743	472	5	5
GULTON NIMBUS (pages 111-128)	5	117	0	"	"	15	110	"	814	1292	478	5	5
		121	0	"	"	25	"	"	385	857	472	5	5
		120	25	"	"	15	120	"	923	1397	474	5	5
		318	25	"	"	25	"	"	305	777	472	5	5
		127	40	"	"	15	130	"	969	1443	474	5	5
		128	40	"	"	25	"	"	271	743	472	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
YARDNEY	12	57	0	1.0	23.0	50	*	1.50		FAILED			
		33	40	"	"	"	*	1.50		FAILED			
GULTON (page 117)	6	79	25	1.0	23.0	50	200	1.49	436	470	34	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			
		163	40	"	"	15	160	1.45		FAILED			
DELCO (pages)	25	75	25	1.0	23.0	40	*	1.97		FAILED			
		89	25	"	"	"	*	"		FAILED			
		288	25	0.5	2.5	"	*	"		DISCONTINUED			
	(NaOH) →	188	25	"	"	"	*	"		FAILED			
DELCO (pages)	40	275	25	1.0	23.0	25	*	1.97		DISCONTINUED			
YARDNEY 118	2 AgZn cells in series	7	25	1.0	23.0	42 (5 amps)	(500* Ma.)	1.97	51	54	3	10	0

* DOES NOT APPLY

** CHANGED TO 1.45 V/CELL LIMIT AFTER CYCLE 173.

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 119-124)	4	315	0	0.5	1.0	15	115	1.55	4973	5423	450	5	5
		326	0	"	"	25	"	"	5263	5741	478	5	5
		204	25	"	"	25	125	1.49	5116	5592	476	5	5
		214	25	"	"	40	"	"	4802	5280	478	5	5
		228	40	"	"	15	160	1.45	5020	5496	476	5	5
		240	40	"	"	25	"	"	5120	5596	476	5	5
GULTON (pages 125-130)	12	216	0	"	"	15	115	1.55	1996	2453	457	5	5
		301	0	"	"	25	115	1.55	2990	3417	427	5	5
		227	25	"	"	25	125	1.49	2361	2835	474	5	5
		296	25	"	"	40	125	1.49	3203	3632	429	5	5
		78	40	"	"	15	160	1.45	2926	3351	425	4	4
		290	40	"	"	25	160	1.45	3162	3548	386	4	3
GULTON (pages 131-133)	(HSI) 6	213	0	"	"	25	115	1.55	1958	2433	475	5	5
		218	25	"	"	40	125	1.49	1973	2449	476	5	5
		238	40	"	"	25	160	1.45	1958	2436	478	5	5
SONOTONE (pages 134-139)	3 (TRIPLE SEALED)	243	0	"	"	15	115	1.55	78	554	476	5	5
		231	0	"	"	25	115	"	78	554	476	5	5
		203	25	"	"	25	125	1.49	58	532	474	5	5
		202	25	"	"	40	125	"	1	288	287	5	5
		226	40	"	"	15	160	1.45	1	288	287	5	5
		237	40	"	"	25	160	"	1	283	282	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
GULTON	6 (THIRD ELECTRODE)	59	0	0.5	1.0	25	—	—	1108	1580	472	5	5
		71	0	"	"	40	—	—	1027	1497	470	5	5
		11	25	"	"	40	—	—	2058	2527	469	5	5
		23	25	"	"	25	—	—	2059	2529	470	5	5
(pages 140-145)		35	40	"	"	15	—	—	11	420	409	5	5
		47	40	"	"	25	—	—	620	1086	466	5	5
G.E.	12 (THIRD ELECTRODE)	60	0	"	"	25	—	—					
		72	0	"	"	40	—	—					
		12	25	"	"	25	—	—	1	115	114	5	5
		24	25	"	"	40	—	—					
(pages 146)		36	40	"	"	15	—	—					
		48	40	"	"	25	—	—					

PACK NO. 63 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
G.E. 3 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 0.90	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
8762.	12.48	.91	1.25	1.25	1.25	1.24	1.24	1.25	1.24	1.27	1.25	1.24	END OF DISCHARGE
8784.	12.45	.91	1.25	1.25	1.25	1.23	1.24	1.24	1.24	1.27	1.24	1.24	
8828.	12.43	.91	1.24	1.24	1.25	1.23	1.24	1.24	1.24	1.26	1.24	1.24	
8852.	12.44	.91	1.25	1.25	1.25	1.23	1.24	1.24	1.24	1.27	1.24	1.24	
8886.	12.46	.90	1.30	1.30	1.28	1.26	1.29	1.27	1.27	1.28	1.28	1.29	
8921.	12.38	.91	1.25	1.26	1.25	1.24	1.25	1.24	1.24	1.24	1.24	1.24	
8953.	12.37	.91	1.25	1.26	1.25	1.24	1.25	1.24	1.24	1.25	1.24	1.24	
9009.	12.32	.91	1.25	1.25	1.25	1.23	1.24	1.24	1.24	1.24	1.24	1.24	
9031.	12.32	.91	1.25	1.25	1.25	1.23	1.24	1.24	1.24	1.24	1.24	1.23	
9072.	12.35	.91	1.25	1.25	1.24	1.23	1.23	1.23	1.23	1.24	1.23	1.22	
9129.	12.30	.91	1.25	1.25	1.25	1.23	1.24	1.24	1.23	1.24	1.24	1.23	
9161.	12.28	.91	1.25	1.25	1.25	1.23	1.24	1.23	1.23	1.24	1.23	1.23	
		.52											
8762.	15.89	.29	1.62	1.51	1.61	1.59	1.63	1.62	1.57	1.64	1.54	1.58	END OF CHARGE
8784.	15.85	.30	1.61	1.51	1.60	1.59	1.64	1.62	1.56	1.67	1.53	1.56	
8828.	15.85	.29	1.62	1.50	1.61	1.58	1.65	1.62	1.56	1.67	1.52	1.56	
8852.	15.90	.29	1.62	1.51	1.62	1.59	1.64	1.63	1.57	1.64	1.53	1.58	
8886.	15.84	.42	1.66	1.59	1.59	1.65	1.63	1.63	1.62	1.58	1.60	1.64	
8921.	15.62	.25	1.61	1.52	1.59	1.57	1.62	1.60	1.54	1.58	1.53	1.55	
8953.	15.66	.26	1.62	1.51	1.60	1.58	1.63	1.61	1.54	1.59	1.52	1.55	
9009.	15.59	.24	1.61	1.50	1.60	1.57	1.63	1.61	1.54	1.59	1.51	1.55	
9031.	15.56	.25	1.61	1.50	1.59	1.57	1.63	1.61	1.53	1.58	1.50	1.54	
9072.	15.67	.25	1.60	1.49	1.58	1.55	1.61	1.59	1.51	1.57	1.47	1.52	
9129.	15.56	.25	1.61	1.49	1.61	1.57	1.64	1.61	1.52	1.58	1.49	1.54	
9161.	15.56	.24	1.62	1.49	1.61	1.57	1.64	1.61	1.52	1.59	1.49	1.54	

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	
8739.	11.95	1.49	1.20	1.20	1.20	1.20	1.19	1.20	1.20	1.21	1.20	1.18	END OF DISCHARGE
8754.	12.41	1.51	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.25	1.24	1.23	
8780.	12.30	1.51	1.23	1.23	1.22	1.23	1.24	1.23	1.23	1.24	1.23	1.22	
8820.	12.02	1.51	1.22	1.22	1.22	1.22	1.22	1.21	1.22	1.16	1.21	1.20	
8864.	12.00	1.49	1.25	1.25	1.23	1.23	1.24	1.22	1.23	1.23	1.23	1.23	
8902.	12.04	1.50	1.22	1.22	1.21	1.22	1.22	1.21	1.21	1.21	1.21	1.20	
8929.	12.04	1.50	1.22	1.22	1.21	1.22	1.22	1.21	1.21	1.21	1.21	1.20	
8983.	12.03	1.50	1.22	1.22	1.21	1.22	1.21	1.21	1.21	1.21	1.21	1.20	
9007.	12.03	1.51	1.22	1.23	1.21	1.22	1.21	1.21	1.21	1.20	1.21	1.20	
9046.	12.06	1.51	1.21	1.22	1.21	1.21	1.21	1.20	1.21	1.20	1.20	1.19	
9093.	11.99	1.51	1.22	1.22	1.21	1.22	1.21	1.21	1.21	1.20	1.21	1.20	
9103.	11.98	1.51	1.21	1.22	1.21	1.21	1.21	1.20	1.21	1.20	1.21	1.19	
9137.	11.98	1.50	1.21	1.22	1.21	1.22	1.21	1.21	1.21	1.20	1.21	1.20	
		.86											
8739.	15.41	.30	1.54	1.56	1.53	1.58	1.51	1.48	1.48	1.63	1.54	1.60	END OF CHARGE
8754.	15.20	.52	1.54	1.54	1.53	1.53	1.47	1.51	1.50	1.54	1.54	1.50	
8780.	15.43	.31	1.56	1.52	1.54	1.55	1.55	1.51	1.49	1.56	1.55	1.55	
8820.	15.16	.32	1.55	1.56	1.54	1.56	1.51	1.49	1.48	1.50	1.53	1.55	
8864.	15.21	.32	1.57	1.59	1.55	1.57	1.54	1.49	1.50	1.60	1.56	1.59	
8902.	15.37	.30	1.55	1.57	1.55	1.58	1.52	1.50	1.48	1.60	1.54	1.58	
8929.	15.35	.32	1.55	1.56	1.55	1.58	1.52	1.49	1.48	1.60	1.54	1.57	
8983.	15.36	.33	1.55	1.56	1.56	1.58	1.51	1.50	1.49	1.58	1.55	1.58	
9007.	15.36	.33	1.55	1.56	1.56	1.58	1.51	1.50	1.49	1.59	1.55	1.58	
9046.	15.47	.34	1.54	1.55	1.54	1.57	1.49	1.48	1.48	1.57	1.52	1.55	
9093.	15.35	.33	1.54	1.55	1.55	1.58	1.50	1.49	1.48	1.58	1.53	1.56	
9103.	15.29	.32	1.54	1.55	1.56	1.59	1.50	1.49	1.48	1.58	1.54	1.56	
9137.	15.32	.29	1.53	1.56	1.54	1.59	1.52	1.49	1.48	1.60	1.53	1.57	

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	
4275.	12.00	1.49	1.19	1.20	1.20	1.20	1.20	1.21	1.21	1.22	1.19	1.20	END OF
4307.	11.99	1.49	1.19	1.20	1.20	1.20	1.20	1.21	1.21	1.22	1.18	1.20	DISCHARGE
4342.	11.86	1.49	1.22	1.22	1.22	1.22	1.23	1.21	1.22	1.21	1.20	1.23	
4398.	12.16	1.50	1.22	1.23	1.23	1.25	1.23	1.23	1.24	1.22	1.24	1.23	
4430.	12.12	1.51	1.21	1.22	1.22	1.22	1.21	1.21	1.22	1.21	1.21	1.21	
		.34											
4275.	15.48	.11	1.60	1.62	1.58	1.56	1.60	1.59	1.47	1.63	1.40	1.46	END OF
4307.	15.48	.11	1.60	1.63	1.59	1.57	1.59	1.59	1.47	1.63	1.40	1.46	CHARGE
4342.	15.27	.12	1.62	1.66	1.59	1.56	1.62	1.59	1.48	1.60	1.41	1.48	
4398.	15.74	.20	1.60	1.61	1.59	1.60	1.60	1.60	1.52	1.60	1.49	1.50	
4430.	15.71	.18	1.60	1.61	1.58	1.58	1.58	1.57	1.49	1.58	1.45	1.46	

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	
4263.	12.18	1.52	1.21	1.20	1.21	1.22	1.21	1.22	1.22	1.22	1.21	1.22	END OF
4302.	11.98	1.51	1.24	1.24	1.22	1.23	1.24	1.22	1.22	1.22	1.22	1.24	DISCHARGE
4336.	12.01	1.52	1.21	1.22	1.21	1.22	1.21	1.21	1.20	1.20	1.20	1.21	
4377.	11.99	1.52	1.21	1.22	1.21	1.22	1.21	1.21	1.20	1.20	1.20	1.20	
4418.	11.99	1.52	1.21	1.22	1.21	1.22	1.21	1.21	1.20	1.20	1.20	1.20	
4440.	11.94	1.53	1.21	1.21	1.21	1.22	1.20	1.21	1.20	1.20	1.20	1.20	
		.38											
4263.	14.61	.38	1.45	1.33	1.46	1.44	1.45	1.50	1.45	1.49	1.45	1.52	END OF
4302.	14.49	.38	1.48	1.49	1.46	1.45	1.48	1.50	1.46	1.50	1.46	1.53	CHARGE
4336.	14.72	.37	1.47	1.48	1.46	1.46	1.47	1.52	1.45	1.51	1.46	1.53	
4377.	14.79	.37	1.47	1.48	1.46	1.47	1.47	1.53	1.45	1.51	1.46	1.54	
4418.	14.77	.37	1.46	1.47	1.45	1.45	1.46	1.52	1.44	1.51	1.45	1.52	
4440.	14.74	.38	1.47	1.46	1.46	1.46	1.47	1.53	1.45	1.51	1.46	1.54	

PACK NO. 20 DEPIH OF DISCHARGE 40 TESI TEMPERATURE 25 C
G.E. 3 A.H. PERCENI OF RECHARGE 125 ORBII PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENI 2.40	CELL VOLIAGES 1	2	3	4	5	6	7	8	9	10	
4026.	9.96	2.43	1.14	1.09	1.08	1.10	.00	1.09	1.12	1.10	1.13	1.12	END OF
4056.	9.98	2.43	1.14	1.09	1.09	1.10	.00	1.07	1.12	1.12	1.13	1.12	DISCHARGE
4097.	9.83	2.40	1.17	1.11	1.10	1.11	.00	1.07	1.13	1.12	1.15	1.15	
4131.	9.82	2.41	1.14	1.07	1.07	1.10	.00	1.05	1.11	1.10	1.13	1.12	
4172.	9.78	2.40	1.14	1.08	1.08	1.09	.00	1.04	1.11	1.09	1.13	1.12	
4186.	10.15	2.38	1.15	1.14	1.15	1.15	.00	1.15	1.12	1.14	1.12	1.12	
		.60											
4026.	13.23	.58	1.47	1.50	1.44	1.46	.00	1.47	1.49	1.50	1.45	1.49	END OF
4056.	13.27	.60	1.48	1.48	1.45	1.46	.00	1.48	1.50	1.47	1.46	1.50	CHARGE
4097.	13.18	.58	1.52	1.51	1.47	1.48	.00	1.49	1.52	1.46	1.47	1.54	
4131.	13.25	.58	1.50	1.48	1.45	1.47	.00	1.48	1.50	1.44	1.46	1.51	
4172.	13.24	.59	1.50	1.48	1.46	1.48	.00	1.48	1.50	1.45	1.46	1.51	
4186.	13.24	.60	1.48	1.50	1.47	1.48	.00	1.49	1.49	1.45	1.45	1.51	

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	
3932.	6.70	1.52	.00	1.12	.00	1.11	1.12	.00	1.13	.00	1.13	1.11	END OF
3966.	6.76	1.49	.00	1.10	.00	1.12	1.14	.00	1.14	.00	1.15	1.11	DISCHARGE
4005.	6.61	1.51	.00	1.13	.00	1.14	1.15	.00	1.13	.00	1.15	1.11	
4039.	6.52	1.50	.00	1.09	.00	1.11	1.11	.00	1.11	.00	1.12	1.06	
4080.	6.46	1.49	.00	1.09	.00	1.10	1.10	.00	1.11	.00	1.11	1.05	
4119.	6.51	1.49	.00	1.09	.00	1.11	1.11	.00	1.11	.00	1.12	1.06	
		.48											
3932.	8.55	.46	.00	1.52	.00	1.40	1.43	.00	1.43	.00	1.40	1.42	END OF
3966.	8.57	.47	.00	1.47	.00	1.41	1.41	.00	1.43	.00	1.41	1.43	CHARGE
4005.	8.52	.47	.00	1.51	.00	1.43	1.44	.00	1.45	.00	1.43	1.47	
4039.	8.52	.48	.00	1.46	.00	1.42	1.42	.00	1.43	.00	1.42	1.44	
4080.	8.52	.47	.00	1.47	.00	1.42	1.42	.00	1.43	.00	1.42	1.43	
4119.	8.46	.41	.00	1.42	.00	1.40	1.39	.00	1.41	.00	1.39	1.40	

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

CYCLE NO.	PACK VOLTAGE	CURRENI 1.05	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
8779.	12.49	1.06	1.26	1.25	1.23	1.23	1.25	1.26	1.26	1.27	1.25	1.24	END OF
8801.	12.43	1.06	1.25	1.24	1.23	1.23	1.24	1.25	1.25	1.26	1.25	1.23	DISCHARGE
8845.	12.39	1.07	1.25	1.23	1.22	1.22	1.24	1.25	1.25	1.25	1.24	1.21	
8869.	12.42	1.06	1.25	1.24	1.23	1.23	1.24	1.25	1.26	1.26	1.24	1.21	
8903.	12.49	1.07	1.29	1.28	1.26	1.28	1.28	1.27	1.27	1.27	1.28	1.29	
8938.	12.37	1.06	1.26	1.25	1.24	1.24	1.25	1.25	1.24	1.24	1.24	1.24	
8970.	12.37	1.06	1.26	1.25	1.23	1.24	1.25	1.26	1.25	1.24	1.24	1.23	
9026.	12.31	1.06	1.26	1.25	1.23	1.22	1.24	1.25	1.25	1.24	1.24	1.21	
9048.	12.27	1.06	1.25	1.24	1.23	1.21	1.24	1.25	1.25	1.24	1.23	1.20	
9089.	12.34	1.05	1.25	1.24	1.22	1.26	1.24	1.24	1.24	1.23	1.22	1.18	
9146.	12.30	1.05	1.25	1.24	1.23	1.28	1.24	1.25	1.25	1.24	1.22	1.19	
9178.	12.25	1.05	1.25	1.24	1.23	1.26	1.24	1.24	1.24	1.23	1.21	1.20	
		.60											
8779.	15.34	.60	1.55	1.57	1.57	1.44	1.59	1.56	1.55	1.62	1.47	1.47	END OF
8801.	15.30	.61	1.54	1.57	1.57	1.43	1.60	1.55	1.54	1.64	1.46	1.44	CHARGE
8845.	15.22	.60	1.54	1.57	1.56	1.42	1.59	1.54	1.54	1.64	1.44	1.41	
8869.	15.23	.62	1.54	1.57	1.57	1.43	1.57	1.55	1.55	1.60	1.44	1.42	
8903.	15.52	.34	1.59	1.59	1.59	1.51	1.56	1.62	1.66	1.57	1.56	1.56	
8938.	15.35	.58	1.56	1.58	1.58	1.45	1.60	1.57	1.55	1.59	1.46	1.49	
8970.	15.24	.61	1.56	1.58	1.59	1.44	1.58	1.56	1.55	1.57	1.45	1.45	
9026.	15.15	.57	1.56	1.58	1.58	1.43	1.57	1.56	1.55	1.57	1.45	1.41	
9048.	15.11	.56	1.55	1.58	1.58	1.41	1.57	1.56	1.54	1.57	1.43	1.40	
9089.	15.23	.58	1.54	1.56	1.56	1.44	1.55	1.54	1.52	1.55	1.41	1.37	
9146.	15.12	.55	1.55	1.57	1.58	1.48	1.57	1.55	1.54	1.56	1.42	1.41	
9178.	15.19	.53	1.55	1.57	1.57	1.46	1.60	1.58	1.54	1.60	1.42	1.42	

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	
8521.	10.68	1.76	1.20	1.16	1.20	1.19	1.20	1.20	1.19	.00	1.21	1.11	END OF DISCHARGE
8536.	10.98	1.80	1.21	1.21	1.20	1.21	1.21	1.22	1.22	.00	1.23	1.24	
8562.	10.90	1.80	1.21	1.20	1.19	1.21	1.21	1.21	1.20	.00	1.22	1.21	
8602.	10.65	1.76	1.21	1.17	1.21	1.20	1.21	1.21	1.19	.00	1.21	1.20	
8646.	10.64	1.76	1.23	1.19	1.21	1.21	1.23	1.21	1.19	.00	1.21	1.22	
8684.	10.66	1.77	1.21	1.14	1.20	1.20	1.21	1.21	1.19	.00	1.20	1.20	
8710.	10.66	1.77	1.21	1.15	1.20	1.21	1.21	1.21	1.19	.00	1.20	1.19	
8765.	10.77	1.77	1.21	1.23	1.20	1.21	1.21	1.21	1.19	.00	1.21	1.20	
8786.	10.68	1.77	1.21	1.20	1.20	1.21	1.21	1.21	1.17	.00	1.20	1.18	
8828.	9.45	1.78	1.20	1.18	1.19	1.20	1.20	1.20	1.19	.00	1.19	.08	
8875.	9.37	1.77	1.20	1.19	1.20	1.20	1.21	1.21	1.19	.00	1.20	.13	
		1.00											
8521.	14.01	.87	1.61	1.44	1.58	1.62	1.59	1.60	1.55	.00	1.56	1.45	END OF CHARGE
8536.	13.73	.79	1.57	1.51	1.46	1.56	1.53	1.52	1.56	.00	1.55	1.46	
8562.	13.87	.63	1.63	1.45	1.46	1.60	1.56	1.58	1.52	.00	1.58	1.44	
8602.	13.57	.67	1.60	1.43	1.55	1.59	1.56	1.57	1.50	.00	1.54	1.42	
8646.	13.66	.68	1.62	1.47	1.57	1.61	1.59	1.58	1.51	.00	1.54	1.46	
8684.	13.74	.66	1.60	1.44	1.56	1.61	1.57	1.58	1.54	.00	1.50	1.44	
8710.	13.73	.69	1.60	1.45	1.57	1.61	1.57	1.58	1.52	.00	1.51	1.43	
8765.	13.73	.70	1.59	1.48	1.57	1.61	1.57	1.58	1.50	.00	1.51	1.43	
8786.	13.71	.75	1.59	1.46	1.57	1.61	1.57	1.59	1.50	.00	1.50	1.42	
8828.	13.83	.72	1.57	1.45	1.55	1.59	1.55	1.57	1.51	.00	1.47	1.40	
8875.	13.76	.74	1.57	1.47	1.56	1.60	1.56	1.58	1.51	.00	1.48	1.42	

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	
4272.	12.37	1.04	1.23	1.24	1.24	1.23	1.23	1.23	1.24	1.25	1.24	1.24	END OF DISCHARGE
4321.	12.35	1.05	1.28	1.28	1.26	1.26	1.27	1.25	1.26	1.25	1.26	1.27	
4355.	12.38	1.05	1.25	1.25	1.25	1.25	1.24	1.24	1.24	1.24	1.24	1.25	
4396.	12.34	1.05	1.25	1.25	1.25	1.24	1.24	1.24	1.24	1.24	1.24	1.24	
4437.	12.33	1.05	1.25	1.25	1.25	1.24	1.24	1.24	1.24	1.24	1.24	1.24	
4459.	12.32	1.05	1.25	1.25	1.25	1.24	1.24	1.23	1.24	1.24	1.24	1.24	
		.24											
4272.	15.21	.25	1.52	1.52	1.52	1.52	1.54	1.52	1.52	1.58	1.51	1.50	END OF CHARGE
4321.	15.37	.25	1.58	1.59	1.57	1.57	1.58	1.54	1.55	1.58	1.56	1.57	
4355.	15.21	.25	1.54	1.54	1.53	1.55	1.54	1.53	1.52	1.52	1.52	1.52	
4396.	15.16	.25	1.54	1.54	1.53	1.54	1.53	1.52	1.52	1.52	1.52	1.51	
4437.	15.17	.25	1.53	1.53	1.52	1.53	1.52	1.51	1.51	1.51	1.50	1.50	
4459.	15.14	.24	1.53	1.54	1.53	1.54	1.53	1.52	1.52	1.52	1.51	1.51	

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	
4246.	12.03	1.78	1.20	1.20	1.21	1.21	1.20	1.20	1.20	1.22	1.20	1.20	END OF
4278.	12.24	1.77	1.22	1.22	1.23	1.23	1.22	1.22	1.23	1.24	1.22	1.22	DISCHARGE
4313.	11.88	1.75	1.23	1.23	1.22	1.22	1.23	1.20	1.22	1.21	1.21	1.23	
4369.	11.98	1.76	1.21	1.21	1.21	1.22	1.21	1.21	1.21	1.21	1.21	1.22	
4401.	12.32	1.78	1.23	1.24	1.25	1.24	1.23	1.22	1.23	1.22	1.22	1.23	
4433.	12.16	1.78	1.22	1.23	1.23	1.23	1.22	1.22	1.22	1.22	1.21	1.22	
		.40											
4246.	15.47	.31	1.54	1.54	1.54	1.57	1.54	1.55	1.56	1.57	1.54	1.54	END OF
4278.	15.47	.32	1.54	1.54	1.54	1.58	1.54	1.55	1.56	1.56	1.54	1.54	CHARGE
4313.	15.29	.32	1.57	1.57	1.55	1.58	1.57	1.55	1.56	1.54	1.55	1.57	
4369.	14.59	.20	1.45	1.43	1.45	1.48	1.47	1.46	1.46	1.45	1.45	1.45	
4401.	15.57	.31	1.52	1.47	1.55	1.61	1.54	1.54	1.58	1.53	1.51	1.52	
4433.	15.49	.32	1.55	1.55	1.61	1.66	1.56	1.55	1.59	1.53	1.54	1.56	

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	
4018.	5.61	1.62	.00	.00	1.02	1.01	.00	.00	.00	1.23	1.23	1.15	END OF
4057.	5.04	1.45	.00	.00	.96	.57	.00	.00	.00	1.21	1.21	1.14	DISCHARGE
4091.	5.23	1.52	.00	.00	.87	.93	.00	.00	.00	1.20	1.20	1.09	
4132.	4.88	1.73	.00	.00	.70	.79	.00	.00	.00	1.18	1.19	1.07	
4173.	3.93	1.72	.00	.00	.05	.51	.00	.00	.00	1.18	1.18	1.05	
		.44											
4018.	7.22	.43	.00	.00	1.43	1.42	.00	.00	.00	1.46	1.47	1.46	END OF
4057.	7.20	.44	.00	.00	1.43	1.42	.00	.00	.00	1.45	1.47	1.47	CHARGE
4091.	7.23	.43	.00	.00	1.45	1.44	.00	.00	.00	1.45	1.47	1.46	
4132.	7.23	.44	.00	.00	1.44	1.44	.00	.00	.00	1.45	1.47	1.47	
4173.	7.24	.43	.00	.00	1.41	1.42	.00	.00	.00	1.42	1.45	1.44	

PACK NO. 49 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
SONOIONE 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	
8189.	10.95	1.52	1.20	1.21	1.23	1.20	1.20	1.22	1.23	1.24	.00	1.22	END OF DISCHARGE
8520.	10.95	1.51	1.20	1.21	1.23	1.20	1.20	1.22	1.23	1.24	.00	1.22	
8580.	10.92	1.52	1.20	1.20	1.22	1.19	1.20	1.22	1.23	1.24	.00	1.22	
8604.	10.91	1.53	1.20	1.20	1.22	1.19	1.20	1.22	1.23	1.24	.00	1.22	
8674.	10.75	1.50	1.23	1.23	1.24	1.21	1.23	1.22	1.24	1.23	.00	1.24	
8753.	10.86	1.50	1.21	1.21	1.23	1.21	1.21	1.22	1.23	1.22	.00	1.22	
8785.	10.90	1.48	1.22	1.22	1.23	1.21	1.21	1.23	1.24	1.23	.00	1.23	
8833.	10.84	1.49	1.21	1.21	1.22	1.20	1.21	1.22	1.23	1.22	.00	1.22	
8873.	10.95	1.51	1.23	1.23	1.21	1.22	1.22	1.24	1.24	1.24	.00	1.24	
8900.	10.89	1.49	1.22	1.23	1.20	1.22	1.22	1.23	1.24	1.23	.00	1.23	
		.86											
8189.	13.89	.56	1.55	1.53	1.56	1.54	1.51	1.58	1.54	1.56	.00	1.53	END OF CHARGE
8520.	13.89	.55	1.55	1.53	1.56	1.54	1.51	1.58	1.54	1.56	.00	1.53	
8580.	13.85	.55	1.54	1.54	1.54	1.53	1.53	1.57	1.54	1.60	.00	1.52	
8604.	13.88	.57	1.54	1.53	1.54	1.54	1.52	1.59	1.54	1.56	.00	1.53	
8674.	13.68	.56	1.57	1.56	1.55	1.55	1.54	1.58	1.55	1.54	.00	1.56	
8753.	13.80	.54	1.55	1.54	1.54	1.55	1.52	1.58	1.55	1.54	.00	1.54	
8785.	13.78	.55	1.55	1.54	1.55	1.55	1.52	1.57	1.55	1.53	.00	1.54	
8833.	13.77	.58	1.55	1.54	1.54	1.55	1.52	1.57	1.54	1.53	.00	1.53	
8873.	13.85	.44	1.57	1.57	1.42	1.55	1.52	1.66	1.55	1.55	.00	1.56	
8900.	13.67	.43	1.58	1.56	1.41	1.56	1.51	1.65	1.52	1.52	.00	1.53	

PACK NO. 50 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
SONOIONE 5 A.H. PERCENI OF RECHARGE 115 ORBII PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENI 2.50	CELL VOLIAGES 1	2	3	4	5	6	7	8	9	10	
8503.	11.69	2.49	1.11	1.19	1.16	1.13	1.14	1.19	1.20	1.21	1.19	1.22	END OF
8525.	11.59	2.49	1.10	1.18	1.15	1.11	1.13	1.19	1.19	1.20	1.18	1.17	DISCHARGE
8569.	11.69	2.49	1.11	1.17	1.16	1.12	1.14	1.19	1.20	1.20	1.19	1.19	
8675.	11.48	2.49	1.13	1.21	1.17	1.13	1.15	1.19	1.20	1.20	1.20	1.20	
8712.	11.55	2.50	1.10	1.19	1.15	1.12	1.13	1.19	1.19	1.18	1.18	1.18	
8774.	11.68	2.53	1.13	1.20	1.17	1.15	1.15	1.20	1.20	1.20	1.20	1.19	
8806.	11.69	2.54	1.13	1.20	1.16	1.14	1.14	1.19	1.19	1.19	1.18	1.18	
8852.	11.61	2.53	1.12	1.19	1.16	1.13	1.13	1.19	1.19	1.18	1.18	1.17	
8872.	11.70	2.52	1.14	1.20	1.18	1.15	1.15	1.20	1.20	1.20	1.20	1.19	
8902.	11.52	2.51	1.11	1.19	1.15	1.12	1.13	1.19	1.19	1.18	1.18	1.17	
		1.44											
8503.	15.47	.75	1.54	1.50	1.55	1.54	1.55	1.55	1.50	1.58	1.51	1.69	END OF
8525.	15.45	.72	1.54	1.49	1.55	1.54	1.54	1.55	1.49	1.58	1.50	1.69	CHARGE
8569.	15.43	.70	1.54	1.49	1.54	1.53	1.55	1.54	1.49	1.60	1.50	1.68	
8675.	15.28	.75	1.56	1.52	1.55	1.54	1.56	1.55	1.50	1.56	1.51	1.71	
8712.	15.32	.70	1.54	1.49	1.55	1.54	1.54	1.54	1.48	1.54	1.49	1.67	
8774.	15.56	.74	1.57	1.49	1.56	1.56	1.56	1.56	1.49	1.57	1.49	1.67	
8806.	15.60	.77	1.56	1.50	1.55	1.54	1.54	1.55	1.48	1.56	1.48	1.65	
8852.	15.39	.71	1.54	1.48	1.53	1.52	1.52	1.52	1.47	1.52	1.47	1.63	
8872.	15.25	.67	1.53	1.50	1.54	1.54	1.54	1.53	1.49	1.53	1.50	1.64	
8902.	15.26	.61	1.55	1.48	1.55	1.54	1.54	1.53	1.47	1.54	1.48	1.66	

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	
8246.	8.12	2.53	.00	1.18	1.16	.00	1.09	.00	1.20	1.19	1.17	1.16	END OF
8270.	8.03	2.53	.00	1.19	1.14	.00	1.07	.00	1.19	1.18	1.16	1.14	DISCHARGE
8340.	7.94	2.51	.00	1.20	1.14	.00	1.07	.00	1.18	1.17	1.15	1.15	
8419.	7.99	2.51	.00	1.19	1.15	.00	1.07	.00	1.18	1.17	1.15	1.15	
8499.	7.92	2.50	.00	1.19	1.14	.00	1.05	.00	1.17	1.16	1.14	1.13	
8563.	7.93	2.52	.00	1.19	1.14	.00	1.06	.00	1.17	1.16	1.13	1.13	
8599.	7.92	2.52	.00	1.19	1.14	.00	1.06	.00	1.17	1.16	1.13	1.13	
8626.	7.87	2.51	.00	1.19	1.13	.00	1.05	.00	1.17	1.16	1.13	1.12	
		1.56											
8246.	10.40	1.42	.00	1.49	1.46	.00	1.54	.00	1.50	1.54	1.49	1.47	END OF
8270.	10.45	1.37	.00	1.47	1.47	.00	1.54	.00	1.51	1.51	1.50	1.49	CHARGE
8340.	10.39	1.37	.00	1.48	1.47	.00	1.55	.00	1.51	1.50	1.50	1.50	
8419.	10.43	1.34	.00	1.47	1.48	.00	1.54	.00	1.51	1.50	1.50	1.49	
8499.	10.45	1.29	.00	1.47	1.47	.00	1.54	.00	1.51	1.50	1.51	1.50	
8563.	10.50	1.41	.00	1.45	1.45	.00	1.51	.00	1.49	1.47	1.46	1.45	
8599.	10.43	1.36	.00	1.46	1.48	.00	1.54	.00	1.51	1.50	1.50	1.49	
8626.	10.41	1.34	.00	1.47	1.48	.00	1.55	.00	1.51	1.50	1.51	1.50	

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	
7893.	7.70	1.49	.00	1.10	1.10	.00	.00	1.00	1.15	1.15	1.10	1.11	END OF DISCHARGE
7911.	7.68	1.49	.00	1.10	1.10	.00	.00	.99	1.15	1.15	1.10	1.11	
7953.	7.57	1.48	.00	1.08	1.09	.00	.00	.95	1.14	1.13	1.09	1.09	
7977.	7.56	1.49	.00	1.09	1.09	.00	.00	.96	1.14	1.14	1.08	1.07	
8047.	7.58	1.50	.00	1.11	1.11	.00	.00	.95	1.16	1.14	1.11	1.12	
8126.	7.60	1.49	.00	1.10	1.11	.00	.00	.95	1.15	1.14	1.10	1.10	
8206.	7.43	1.48	.00	1.08	1.09	.00	.00	.92	1.14	1.13	1.08	1.05	
8270.	7.43	1.50	.00	1.09	1.10	.00	.00	.92	1.14	1.13	1.08	1.02	
8306.	7.38	1.49	.00	1.08	1.09	.00	.00	.91	1.14	1.13	1.08	1.01	
		1.20											
7893.	10.17	.52	.00	1.44	1.44	.00	.00	1.50	1.43	1.46	1.43	1.52	END OF CHARGE
7911.	10.17	.51	.00	1.44	1.44	.00	.00	1.50	1.42	1.46	1.43	1.52	
7953.	10.13	.51	.00	1.46	1.43	.00	.00	1.48	1.42	1.49	1.42	1.50	
7977.	10.17	.51	.00	1.44	1.44	.00	.00	1.50	1.43	1.46	1.43	1.52	
8047.	10.16	.54	.00	1.46	1.45	.00	.00	1.50	1.43	1.45	1.44	1.55	
8126.	10.19	.51	.00	1.45	1.45	.00	.00	1.51	1.43	1.44	1.43	1.53	
8206.	10.20	.51	.00	1.45	1.45	.00	.00	1.51	1.43	1.44	1.44	1.52	
8270.	10.27	.51	.00	1.44	1.43	.00	.00	1.49	1.41	1.42	1.41	1.48	
8306.	10.18	.49	.00	1.45	1.45	.00	.00	1.51	1.42	1.44	1.43	1.52	

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	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
4127.	12.37	1.50	1.21	1.23	1.24	1.24	1.24	1.24	1.24	1.26	1.25	1.23	END OF
4159.	12.35	1.50	1.21	1.23	1.23	1.24	1.24	1.24	1.24	1.25	1.25	1.23	DISCHARGE
4194.	12.18	1.49	1.24	1.25	1.25	1.25	1.27	1.24	1.25	1.25	1.26	1.25	
4234.	12.27	1.49	1.22	1.23	1.24	1.25	1.25	1.24	1.24	1.23	1.25	1.22	
4282.	12.42	1.51	1.23	1.24	1.25	1.26	1.26	1.25	1.25	1.24	1.25	1.23	
		.35											
4127.	15.61	.24	1.53	1.53	1.52	1.58	1.54	1.50	1.58	1.69	1.56	1.63	END OF
4159.	15.62	.24	1.53	1.54	1.52	1.58	1.54	1.50	1.58	1.69	1.56	1.62	CHARGE
4194.	15.40	.25	1.56	1.57	1.54	1.59	1.57	1.50	1.58	1.67	1.56	1.61	
4234.	15.55	.25	1.54	1.55	1.53	1.60	1.55	1.51	1.57	1.65	1.56	1.59	
4282.	15.73	.23	1.54	1.54	1.55	1.58	1.56	1.50	1.61	1.63	1.55	1.49	

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	
4154.	11.75	2.47	1.19	1.12	1.07	1.16	1.20	1.20	1.19	1.20	1.20	1.20	END OF
4186.	11.74	2.47	1.18	1.16	1.07	1.16	1.20	1.19	1.18	1.21	1.20	1.19	DISCHARGE
4227.	11.54	2.47	1.21	1.18	1.07	1.17	1.22	1.19	1.19	1.20	1.21	1.21	
4278.	11.70	2.54	1.19	1.17	1.08	1.17	1.20	1.20	1.19	1.19	1.20	1.20	
4338.	11.65	2.54	1.19	1.17	1.08	1.17	1.20	1.19	1.18	1.19	1.19	1.19	
		.58											
4154.	15.53	.30	1.51	1.54	1.54	1.51	1.54	1.59	1.62	1.69	1.52	1.50	END OF
4186.	15.48	.45	1.52	1.55	1.55	1.52	1.53	1.58	1.60	1.63	1.53	1.51	CHARGE
4227.	15.28	.45	1.54	1.57	1.55	1.53	1.55	1.58	1.61	1.60	1.53	1.53	
4278.	15.60	.56	1.53	1.57	1.56	1.55	1.55	1.61	1.64	1.64	1.54	1.52	
4338.	15.72	.56	1.54	1.57	1.56	1.55	1.56	1.64	1.68	1.66	1.54	1.53	

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	
4140.	10.49	2.48	1.14	.32	1.01	1.12	1.15	1.15	1.16	1.16	1.16	1.13	END OF DISCHARGE
4172.	9.98	2.47	1.13	.09	.99	1.11	1.14	1.14	1.16	1.14	1.15	1.12	
4181.	11.00	2.51	1.15	.80	1.04	1.14	1.21	1.15	1.16	1.14	1.16	1.13	
4230.	10.47	2.51	1.16	.26	1.01	1.15	1.17	1.15	1.16	1.14	1.16	1.14	
		.62											
4140.	14.31	.61	1.42	1.45	1.44	1.43	1.43	1.43	1.43	1.45	1.43	1.42	END OF CHARGE
4172.	14.31	.61	1.42	1.45	1.44	1.43	1.42	1.43	1.43	1.45	1.43	1.42	
4181.	14.26	.62	1.43	1.46	1.45	1.44	1.43	1.44	1.43	1.43	1.43	1.43	
4230.	14.17	.62	1.40	1.43	1.41	1.39	1.39	1.39	1.39	1.39	1.38	1.37	

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	
4054.	6.53	3.90	1.14	1.10	1.14	.00	1.15	1.10	.87	.00	.00	.00	END OF DISCHARGE
4086.	6.55	3.89	1.14	1.11	1.15	.00	1.15	1.12	.87	.00	.00	.00	
4127.	6.32	3.92	1.15	1.12	1.15	.00	1.15	1.11	.78	.00	.00	.00	
4161.	6.34	3.96	1.14	1.11	1.14	.00	1.15	1.12	.78	.00	.00	.00	
4220.	5.99	4.06	1.12	1.09	1.13	.00	1.13	1.07	.54	.00	.00	.00	
4242.	6.25	3.96	1.13	1.11	1.14	.00	1.14	1.09	.73	.00	.00	.00	
		1.00											
4054.	9.32	.97	1.51	1.53	1.48	.00	1.67	1.56	1.60	.00	.00	.00	END OF CHARGE
4086.	9.23	.99	1.50	1.45	1.48	.00	1.62	1.56	1.58	.00	.00	.00	
4127.	9.19	1.00	1.53	1.48	1.50	.00	1.65	1.59	1.60	.00	.00	.00	
4161.	9.22	1.00	1.52	1.46	1.50	.00	1.64	1.60	1.60	.00	.00	.00	
4220.	9.25	.97	1.51	1.48	1.49	.00	1.61	1.55	1.60	.00	.00	.00	
4242.	9.29	.97	1.53	1.48	1.51	.00	1.66	1.59	1.62	.00	.00	.00	

PACK NO. 29 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
SONOTONE 5 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	
4044.	10.04	1.47	.00	1.19	1.18	1.10	1.14	1.12	1.10	.93	1.11	1.17	END OF DISCHARGE
4076.	9.98	1.47	.00	1.19	1.18	1.08	1.13	1.12	1.09	.91	1.11	1.17	
4111.	9.88	1.47	.00	1.21	1.18	1.09	1.15	1.10	1.09	.90	1.12	1.18	
4151.	9.86	1.48	.00	1.19	1.18	1.08	1.14	1.12	1.07	.86	1.11	1.17	
4191.	9.92	1.48	.00	1.20	1.19	1.10	1.16	1.12	1.08	.91	1.13	1.19	
4223.	9.83	1.50	.00	1.20	1.19	1.10	1.14	1.10	1.06	.85	1.11	1.17	
4255.	9.87	1.49	.00	1.20	1.19	1.12	1.16	1.13	1.07	.82	1.13	1.19	
		.48											
4044.	12.64	.47	.00	1.40	1.39	1.38	1.41	1.39	1.41	1.48	1.42	1.40	END OF CHARGE
4076.	12.63	.46	.00	1.40	1.39	1.38	1.41	1.39	1.41	1.47	1.42	1.40	
4111.	12.53	.47	.00	1.42	1.39	1.38	1.43	1.37	1.41	1.45	1.42	1.41	
4151.	12.60	.47	.00	1.41	1.39	1.39	1.42	1.39	1.41	1.45	1.42	1.40	
4191.	12.64	.47	.00	1.40	1.38	1.37	1.40	1.38	1.41	1.44	1.40	1.38	
4223.	12.69	.48	.00	1.40	1.38	1.36	1.40	1.36	1.40	1.43	1.39	1.37	
4255.	12.57	.47	.00	1.42	1.40	1.40	1.42	1.39	1.43	1.45	1.43	1.41	

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	
3940.	5.84	2.34	.84	.79	1.11	.00	1.05	1.15	.00	.00	.00	.86	END OF
3972.	5.89	2.36	.87	.86	1.11	.00	1.04	1.15	.00	.00	.00	.85	DISCHARGE
4013.	5.80	2.32	.91	.88	1.12	.00	1.06	1.15	.00	.00	.00	.89	
4047.	5.63	2.28	.84	.83	1.09	.00	1.02	1.14	.00	.00	.00	.79	
4112.	5.70	2.33	.81	1.00	1.06	.00	.98	1.13	.00	.00	.00	.81	
		.80											
3940.	8.79	.80	1.41	1.45	1.49	.00	1.45	1.55	.00	.00	.00	1.46	END OF
3972.	8.66	.79	1.41	1.40	1.44	.00	1.42	1.54	.00	.00	.00	1.44	CHARGE
4013.	8.63	.81	1.43	1.43	1.50	.00	1.45	1.57	.00	.00	.00	1.47	
4047.	8.58	.82	1.41	1.41	1.45	.00	1.43	1.54	.00	.00	.00	1.44	
4112.	8.55	.80	1.42	1.42	1.43	.00	1.42	1.54	.00	.00	.00	1.43	

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	
7660.	6.59	1.80	.68	1.24	1.03	.00	.00	.00	1.21	1.22	1.22	.00	END OF DISCHARGE
7678.	6.58	1.80	.67	1.24	1.04	.00	.00	.00	1.20	1.22	1.22	.00	
7720.	6.59	1.80	.68	1.23	1.02	.00	.00	.00	1.21	1.22	1.22	.00	
7744.	6.52	1.80	.66	1.23	1.01	.00	.00	.00	1.20	1.21	1.22	.00	
7814.	6.41	1.79	.70	1.24	.99	.00	.00	.00	1.21	1.22	1.23	.00	
7893.	6.47	1.79	.67	1.24	.99	.00	.00	.00	1.20	1.21	1.22	.00	
7925.	6.54	1.79	.69	1.23	1.03	.00	.00	.00	1.21	1.21	1.22	.00	
7973.	6.38	1.79	.68	1.24	.90	.00	.00	.00	1.20	1.21	1.22	.00	
8023.	6.76	1.82	.85	1.24	1.08	.00	.00	.00	1.21	1.22	1.23	.00	
8050.	6.72	1.82	.85	1.23	1.07	.00	.00	.00	1.20	1.21	1.22	.00	
		1.04											
7660.	9.26	.54	1.69	1.48	1.50	.00	.00	.00	1.52	1.52	1.58	.00	END OF CHARGE
7678.	9.27	.53	1.69	1.48	1.50	.00	.00	.00	1.52	1.52	1.58	.00	
7720.	9.23	.52	1.68	1.52	1.49	.00	.00	.00	1.51	1.55	1.56	.00	
7744.	9.27	.51	1.68	1.49	1.50	.00	.00	.00	1.52	1.52	1.58	.00	
7814.	9.15	.52	1.70	1.48	1.52	.00	.00	.00	1.53	1.52	1.61	.00	
7893.	9.21	.51	1.68	1.49	1.51	.00	.00	.00	1.52	1.50	1.58	.00	
7925.	9.20	.51	1.68	1.47	1.51	.00	.00	.00	1.52	1.51	1.58	.00	
7973.	9.22	.51	1.68	1.51	1.51	.00	.00	.00	1.52	1.50	1.58	.00	
8023.	9.50	.68	1.72	1.56	1.65	.00	.00	.00	1.53	1.51	1.62	.00	
8050.	9.51	.64	1.72	1.57	1.64	.00	.00	.00	1.53	1.51	1.65	.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	
8133.	8.13	3.03	1.19	1.16	1.14	.00	.00	1.15	1.15	1.18	1.18	.00	END OF
8155.	8.02	3.02	1.18	1.14	1.13	.00	.00	1.13	1.13	1.17	1.17	.00	DISCHARGE
8199.	8.12	3.02	1.18	1.14	1.14	.00	.00	1.15	1.15	1.17	1.19	.00	
8223.	8.09	3.02	1.18	1.15	1.14	.00	.00	1.14	1.14	1.18	1.18	.00	
8305.	7.92	2.99	1.21	1.16	1.15	.00	.00	1.14	1.14	1.16	1.19	.00	
8342.	7.99	3.02	1.19	1.15	1.14	.00	.00	1.14	1.13	1.15	1.17	.00	
8404.	8.24	3.02	1.20	1.19	1.18	.00	.00	1.18	1.19	1.19	1.20	.00	
8436.	8.23	3.02	1.20	1.19	1.17	.00	.00	1.18	1.18	1.19	1.19	.00	
8482.	8.20	3.02	1.20	1.19	1.17	.00	.00	1.17	1.17	1.18	1.19	.00	
8502.	8.19	3.02	1.20	1.19	1.18	.00	.00	1.17	1.17	1.18	1.19	.00	
8532.	8.09	3.02	1.19	1.18	1.17	.00	.00	1.16	1.12	1.18	1.18	.00	
		1.72											
8133.	10.88	.72	1.54	1.59	1.56	.00	.00	1.64	1.52	1.55	1.50	.00	END OF
8155.	10.89	.68	1.54	1.60	1.56	.00	.00	1.64	1.53	1.55	1.51	.00	CHARGE
8199.	10.86	.68	1.53	1.59	1.55	.00	.00	1.63	1.52	1.58	1.50	.00	
8223.	10.89	.70	1.54	1.59	1.56	.00	.00	1.63	1.53	1.56	1.50	.00	
8305.	10.73	.71	1.57	1.63	1.57	.00	.00	1.61	1.53	1.54	1.52	.00	
8342.	10.81	.73	1.54	1.59	1.56	.00	.00	1.63	1.52	1.52	1.50	.00	
8404.	10.83	.82	1.54	1.59	1.52	.00	.00	1.64	1.50	1.51	1.49	.00	
8436.	10.91	.78	1.53	1.59	1.52	.00	.00	1.64	1.49	1.50	1.47	.00	
8482.	10.91	.75	1.53	1.60	1.53	.00	.00	1.63	1.50	1.51	1.46	.00	
8502.	10.61	.71	1.53	1.56	1.54	.00	.00	1.57	1.48	1.52	1.49	.00	
8532.	10.63	.69	1.53	1.59	1.54	.00	.00	1.63	1.42	1.51	1.49	.00	

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	
4259.	12.25	1.81	1.23	1.24	1.23	1.24	1.23	1.25	1.20	1.24	1.24	1.17	END OF
4291.	12.24	1.81	1.23	1.24	1.23	1.23	1.23	1.24	1.20	1.24	1.24	1.17	DISCHARGE
4326.	12.01	1.81	1.25	1.26	1.24	1.24	1.25	1.22	1.21	1.23	1.25	1.19	
4414.	12.38	1.81	1.26	1.27	1.26	1.26	1.26	1.25	1.22	1.24	1.25	1.20	
		.41											
4259.	15.54	.34	1.60	1.60	1.53	1.52	1.51	1.50	1.64	1.53	1.50	1.66	END OF
4291.	15.56	.34	1.61	1.60	1.53	1.52	1.51	1.50	1.63	1.53	1.50	1.66	CHARGE
4326.	15.46	.32	1.66	1.67	1.57	1.55	1.55	1.41	1.65	1.52	1.52	1.70	
4414.	15.19	.38	1.52	1.52	1.51	1.51	1.47	1.45	1.58	1.47	1.46	1.52	

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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	
3976.	5.65	3.00	1.16	1.18	.00	1.08	.00	.00	.00	.00	1.16	1.08	END OF DISCHARGE
4008.	5.64	3.00	1.15	1.19	.00	1.07	.00	.00	.00	.00	1.16	1.08	
4049.	5.56	2.98	1.18	1.22	.00	1.04	.00	.00	.00	.00	1.17	1.14	
4079.	5.84	3.03	1.19	1.21	.00	1.15	.00	.00	.00	.00	1.18	1.20	
4120.	5.81	3.04	1.18	1.20	.00	1.11	.00	.00	.00	.00	1.18	1.20	
		.69											
3976.	7.58	.66	1.57	1.64	.00	1.53	.00	.00	.00	.00	1.49	1.39	END OF CHARGE
4008.	7.66	.67	1.58	1.59	.00	1.54	.00	.00	.00	.00	1.54	1.42	
4049.	7.59	.69	1.60	1.62	.00	1.55	.00	.00	.00	.00	1.54	1.47	
4079.	7.62	.68	1.56	1.55	.00	1.69	.00	.00	.00	.00	1.45	1.46	
4120.	7.67	.68	1.56	1.54	.00	1.57	.00	.00	.00	.00	1.48	1.48	

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	
3744.	4.85	2.61	.00	1.14	.99	.90	.73	.00	.00	.00	.00	1.06	END OF
3776.	4.86	2.63	.00	1.15	.97	.91	.77	.00	.00	.00	.00	1.06	DISCHARGE
3817.	4.79	2.59	.00	1.17	.97	.89	.86	.00	.00	.00	.00	1.07	
3851.	5.05	2.74	.00	1.14	.94	.87	1.12	.00	.00	.00	.00	1.05	
3892.	5.10	2.75	.00	1.14	1.02	.91	1.06	.00	.00	.00	.00	1.05	
3950.	4.95	2.69	.00	1.12	1.01	.82	1.05	.00	.00	.00	.00	1.03	
		.96											
3744.	7.42	.83	.00	1.62	1.40	1.51	1.44	.00	.00	.00	.00	1.49	END OF
3776.	7.49	.83	.00	1.59	1.40	1.54	1.42	.00	.00	.00	.00	1.52	CHARGE
3817.	7.50	.97	.00	1.63	1.44	1.58	1.45	.00	.00	.00	.00	1.58	
3851.	7.51	.95	.00	1.60	1.40	1.61	1.44	.00	.00	.00	.00	1.55	
3892.	7.48	.94	.00	1.60	1.42	1.53	1.44	.00	.00	.00	.00	1.57	
3950.	7.28	.64	.00	1.56	1.40	1.47	1.43	.00	.00	.00	.00	1.52	

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PACK NO. 110 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
G.E. 12 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.60	CELL VOLTAGES 1	2	3	4	5	
8163.	6.18	3.57	1.24	1.24	1.25	1.24	1.24	END OF DISCHARGE
8223.	6.19	3.59	1.23	1.22	1.24	1.23	1.23	
8247.	6.18	3.60	1.23	1.24	1.24	1.23	1.23	
8317.	6.09	3.57	1.26	1.26	1.24	1.24	1.25	
8396.	6.14	3.59	1.24	1.24	1.25	1.24	1.24	
8428.	6.16	3.58	1.25	1.25	1.25	1.25	1.24	
8476.	6.11	3.58	1.24	1.24	1.24	1.24	1.23	
8510.	6.12	3.58	1.24	1.24	1.24	1.24	1.24	
8540.	6.13	3.61	1.24	1.24	1.24	1.23	1.23	
8576.	6.16	3.60	1.25	1.25	1.25	1.25	1.24	
8603.	6.14	3.59	1.24	1.24	1.24	1.24	1.24	
		2.07						
8163.	7.67	1.00	1.56	1.55	1.52	1.54	1.51	END OF CHARGE
8223.	7.59	1.01	1.54	1.60	1.50	1.52	1.54	
8247.	7.65	1.04	1.56	1.55	1.51	1.54	1.51	
8317.	7.69	1.13	1.60	1.59	1.53	1.56	1.55	
8396.	7.66	1.14	1.58	1.57	1.53	1.55	1.53	
8428.	7.65	1.58	1.57	1.56	1.53	1.55	1.53	
8476.	7.64	1.14	1.58	1.57	1.52	1.55	1.52	
8510.	7.78	1.13	1.55	1.55	1.49	1.52	1.48	
8540.	7.63	1.04	1.54	1.53	1.50	1.51	1.48	
8576.	7.75	1.33	1.59	1.58	1.56	1.57	1.55	
8603.	7.84	1.40	1.61	1.58	1.55	1.58	1.55	

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	
7930.	5.87	6.03	1.19	1.19	1.14	1.19	1.18	END OF DISCHARGE
7990.	5.90	5.94	1.20	1.20	1.14	1.20	1.19	
8014.	5.89	5.95	1.20	1.20	1.14	1.19	1.19	
8084.	5.92	5.92	1.19	1.20	1.15	1.20	1.20	
8163.	5.86	5.93	1.20	1.19	1.14	1.19	1.19	
8195.	5.89	5.94	1.20	1.20	1.14	1.20	1.19	
8243.	5.84	5.93	1.19	1.19	1.13	1.19	1.19	
8277.	5.86	5.94	1.20	1.19	1.14	1.20	1.19	
8307.	5.84	5.94	1.19	1.20	1.14	1.19	1.18	
8343.	5.86	5.93	1.19	1.19	1.14	1.19	1.19	
8370.	5.86	5.93	1.20	1.20	1.15	1.20	1.19	
		3.45						
7930.	7.71	1.41	1.55	1.50	1.62	1.49	1.56	END OF CHARGE
7990.	7.76	1.32	1.55	1.50	1.65	1.49	1.54	
8014.	7.78	1.35	1.57	1.52	1.64	1.51	1.58	
8084.	7.82	1.32	1.56	1.52	1.64	1.51	1.60	
8163.	7.73	1.30	1.57	1.51	1.63	1.50	1.58	
8195.	7.67	2.27	1.56	1.52	1.57	1.51	1.57	
8243.	7.73	1.29	1.57	1.51	1.63	1.50	1.58	
8277.	7.71	1.38	1.53	1.48	1.61	1.47	1.54	
8307.	7.81	1.25	1.55	1.50	1.60	1.47	1.54	
8343.	7.73	1.29	1.56	1.51	1.63	1.50	1.58	
8370.	7.73	1.16	1.56	1.51	1.64	1.50	1.59	

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	
8171.	4.63	5.86	1.17	.00	1.16	1.17	1.16	END OF DISCHARGE
8231.	4.63	5.86	1.16	.00	1.15	1.17	1.15	
8255.	4.60	5.80	1.16	.00	1.15	1.16	1.13	
8325.	4.56	5.73	1.18	.00	1.16	1.17	1.16	
8404.	4.57	5.75	1.17	.00	1.15	1.17	1.14	
8436.	4.61	5.71	1.17	.00	1.16	1.18	1.15	
8484.	4.52	5.70	1.16	.00	1.13	1.16	1.12	
8518.	4.56	5.74	1.17	.00	1.16	1.18	1.12	
8548.	4.50	5.83	1.14	.00	1.13	1.15	1.12	
8584.	4.50	5.77	1.16	.00	1.13	1.16	1.12	
		3.75						
8171.	5.98	3.72	1.53	.00	1.50	1.51	1.46	END OF CHARGE
8231.	5.93	3.76	1.51	.00	1.46	1.49	1.48	
8255.	5.95	3.76	1.52	.00	1.49	1.51	1.45	
8325.	5.93	3.72	1.54	.00	1.49	1.52	1.47	
8404.	5.92	3.71	1.52	.00	1.49	1.52	1.45	
8436.	5.92	3.75	1.53	.00	1.49	1.52	1.46	
8484.	5.91	3.76	1.52	.00	1.48	1.52	1.45	
8518.	6.06	3.83	1.50	.00	1.46	1.49	1.41	
8548.	5.85	3.77	1.48	.00	1.45	1.47	1.41	
8584.	5.90	3.81	1.51	.00	1.49	1.52	1.45	

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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	CELL VOLTAGES 1	2	3	4	5	
		3.60						
8018.	5.73	3.52	1.18	1.15	1.12	1.14	1.18	END OF
8040.	5.65	3.51	1.18	1.14	1.08	1.12	1.17	DISCHARGE
8084.	5.61	3.47	1.18	1.10	1.06	1.13	1.16	
8150.	5.64	3.53	1.16	1.18	.99	1.10	1.14	
8190.	5.74	3.53	1.19	1.19	1.10	1.11	1.18	
8225.	5.64	3.55	1.17	1.15	1.09	1.11	1.17	
8257.	5.56	3.60	1.18	1.14	1.08	1.08	1.16	
8313.	5.49	3.50	1.17	1.11	1.06	1.05	1.16	
8335.	5.60	3.53	1.17	1.16	1.08	1.08	1.16	
8376.	5.52	3.56	1.17	1.13	1.04	1.06	1.15	
8433.	5.52	3.52	1.17	1.15	1.07	1.03	1.16	
8465.	5.49	3.50	1.17	1.17	1.02	1.02	1.16	
		2.88						
8018.	7.15	2.84	1.45	1.41	1.44	1.44	1.44	END OF
8040.	7.15	2.84	1.43	1.41	1.45	1.41	1.42	CHARGE
8084.	7.12	2.82	1.43	1.39	1.45	1.42	1.41	
8150.	7.14	2.82	1.43	1.43	1.33	1.42	1.43	
8190.	7.20	2.86	1.45	1.43	1.44	1.43	1.46	
8225.	7.09	2.85	1.45	1.41	1.43	1.43	1.44	
8257.	7.10	2.83	1.45	1.44	1.42	1.42	1.44	
8313.	7.09	2.82	1.45	1.41	1.43	1.42	1.44	
8335.	7.10	2.83	1.45	1.42	1.43	1.42	1.44	
8376.	7.08	2.86	1.43	1.39	1.40	1.38	1.40	
8433.	7.06	2.82	1.44	1.41	1.42	1.41	1.43	
8465.	7.11	2.85	1.45	1.44	1.43	1.42	1.44	

PACK NO. 111
G.E. 12 A.H.

DEPTH OF DISCHARGE 15
PERCENT OF RECHARGE 115

TEST TEMPERATURE 0 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 3.60	CELL VOLTAGES 1	2	3	4	5	
4105.	6.20	3.61	1.25	1.25	1.24	1.25	1.25	END OF DISCHARGE
4137.	6.19	3.61	1.25	1.25	1.23	1.24	1.24	
4178.	6.24	3.56	1.25	1.26	1.24	1.25	1.26	
4212.	6.15	3.63	1.25	1.24	1.23	1.24	1.24	
4253.	6.16	3.60	1.25	1.24	1.23	1.24	1.24	
4294.	6.14	3.66	1.24	1.24	1.22	1.24	1.23	
4316.	6.12	3.62	1.25	1.25	1.23	1.24	1.24	
		.83						
4105.	7.70	.47	1.57	1.51	1.59	1.48	1.50	END OF CHARGE
4137.	7.71	.47	1.59	1.52	1.57	1.50	1.56	
4178.	7.76	.49	1.59	1.52	1.57	1.51	1.58	
4212.	7.66	.47	1.59	1.51	1.56	1.50	1.55	
4253.	7.66	.49	1.59	1.51	1.55	1.49	1.55	
4294.	7.65	.45	1.58	1.50	1.55	1.48	1.53	
4316.	7.65	.46	1.60	1.52	1.59	1.50	1.55	

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PACK NO. 125 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
G.E. 12 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
4087.	5.99	5.94	1.19	1.19	1.20	1.19	1.19	END OF DISCHARGE
4119.	5.97	5.93	1.19	1.20	1.19	1.19	1.19	
4160.	5.90	5.87	1.22	1.22	1.21	1.21	1.22	
4194.	5.91	6.01	1.20	1.20	1.20	1.20	1.19	
4235.	5.90	5.99	1.19	1.20	1.20	1.20	1.19	
4276.	5.89	6.04	1.19	1.20	1.20	1.19	1.19	
4298.	5.91	5.99	1.19	1.20	1.19	1.20	1.19	
		1.38						
4087.	7.63	.44	1.57	1.59	1.57	1.49	1.52	END OF CHARGE
4119.	7.69	.42	1.58	1.55	1.58	1.50	1.48	
4160.	7.61	.47	1.61	1.58	1.59	1.51	1.51	
4194.	7.63	.47	1.59	1.55	1.58	1.51	1.48	
4235.	7.64	.44	1.59	1.55	1.58	1.51	1.48	
4276.	7.69	.47	1.57	1.54	1.57	1.49	1.46	
4298.	7.65	.47	1.59	1.55	1.59	1.50	1.49	

PACK NO. 83 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
G.E. 12 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
4162.	5.65	5.99	1.15	1.14	1.15	1.15	1.11	END OF
4194.	5.68	5.98	1.15	1.15	1.15	1.14	1.11	DISCHARGE
4235.	5.69	6.01	1.14	1.15	1.15	1.15	1.11	
4269.	5.58	6.02	1.14	1.13	1.14	1.13	1.08	
4351.	5.49	6.03	1.12	1.12	1.12	1.12	1.05	
		1.50						
4162.	7.18	1.48	1.43	1.42	1.47	1.42	1.41	END OF
4194.	7.18	1.50	1.44	1.43	1.44	1.44	1.42	CHARGE
4235.	7.22	1.54	1.43	1.44	1.44	1.44	1.44	
4269.	7.13	1.50	1.44	1.43	1.43	1.44	1.41	
4351.	7.09	1.48	1.42	1.41	1.42	1.41	1.40	

PACK NO. 97 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C
G.E. 12 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 9.60	CELL VOLTAGES 1	2	3	4	5	
4144.	3.11	9.71	1.04	.00	.00	.99	1.03	END OF
4176.	3.09	9.73	1.04	.00	.00	1.00	1.03	DISCHARGE
4188.	3.04	9.63	1.08	.00	.00	1.00	1.04	
4222.	3.03	9.65	1.05	.00	.00	1.01	1.02	
4263.	3.13	9.68	1.09	.00	.00	.99	1.10	
4304.	3.16	9.66	1.09	.00	.00	1.02	1.10	
4326.	3.10	9.66	1.07	.00	.00	.98	1.09	
		2.40						
4144.	4.47	.85	1.46	.00	.00	1.51	1.51	END OF
4176.	4.48	.94	1.47	.00	.00	1.52	1.49	CHARGE
4188.	4.43	1.15	1.50	.00	.00	1.51	1.50	
4222.	4.67	2.38	1.57	.00	.00	1.60	1.57	
4263.	4.61	2.38	1.57	.00	.00	1.52	1.59	
4304.	4.64	2.36	1.55	.00	.00	1.52	1.56	
4326.	4.64	2.38	1.57	.00	.00	1.51	1.60	

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PACK NO. 86 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
G.E. 12 A.H. PERCENT OF RECHARGE 160 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 3.60	CELL VOLTAGES 1	2	3	4	5	
4058.	5.65	3.60	1.15	1.12	1.12	1.14	1.13	END OF DISCHARGE
4092.	5.68	3.64	1.15	1.12	1.13	1.14	1.13	
4131.	5.64	3.61	1.18	1.16	1.15	1.16	1.16	
4165.	5.60	3.61	1.15	1.12	1.12	1.15	1.13	
4206.	5.60	3.61	1.15	1.12	1.12	1.14	1.12	
4247.	5.61	3.63	1.15	1.13	1.13	1.15	1.13	
4269.	5.57	3.60	1.15	1.12	1.12	1.14	1.12	
		1.15						
4058.	6.95	1.15	1.39	1.46	1.38	1.38	1.43	END OF CHARGE
4092.	6.95	1.15	1.39	1.45	1.38	1.38	1.42	
4131.	6.94	1.17	1.43	1.43	1.41	1.42	1.43	
4165.	6.95	1.15	1.41	1.41	1.41	1.41	1.40	
4206.	6.96	1.15	1.41	1.41	1.41	1.41	1.40	
4247.	7.02	1.14	1.40	1.40	1.39	1.39	1.38	
4269.	6.97	1.15	1.41	1.42	1.41	1.41	1.41	

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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	
3921.	5.44	5.81	1.10	1.10	1.07	1.11	1.10	END OF
3955.	5.50	5.87	1.12	1.10	1.08	1.12	1.12	DISCHARGE
3994.	5.50	5.83	1.12	1.10	1.08	1.13	1.14	
4028.	5.36	5.74	1.10	1.06	1.05	1.10	1.11	
4069.	5.29	5.71	1.16	.95	1.02	1.11	1.12	
		1.92						
3921.	7.22	1.78	1.42	1.45	1.48	1.43	1.43	END OF
3955.	7.21	1.79	1.43	1.44	1.47	1.44	1.43	CHARGE
3994.	7.28	1.75	1.45	1.46	1.45	1.48	1.48	
4028.	7.16	1.82	1.44	1.43	1.43	1.47	1.46	
4069.	7.20	1.94	1.51	1.40	1.41	1.47	1.47	

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	
8105.	6.19	5.97	1.26	1.25	1.24	1.24	1.23	END OF DISCHARGE
8127.	6.17	5.96	1.25	1.25	1.24	1.24	1.23	
8171.	6.14	6.04	1.24	1.23	1.22	1.23	1.22	
8195.	6.14	6.03	1.25	1.24	1.23	1.23	1.22	
8277.	6.13	5.97	1.27	1.27	1.25	1.24	1.24	
8314.	6.08	6.04	1.24	1.23	1.22	1.23	1.22	
8344.	6.13	6.03	1.26	1.24	1.24	1.24	1.23	
8374.	6.14	5.97	1.26	1.25	1.24	1.24	1.23	
8424.	6.13	6.03	1.25	1.25	1.24	1.24	1.23	
8474.	6.13	6.02	1.25	1.25	1.24	1.23	1.23	
8504.	6.06	5.99	1.24	1.24	1.23	1.22	1.22	
		3.45						
8105.	7.73	2.38	1.54	1.56	1.57	1.53	1.55	END OF CHARGE
8127.	7.72	2.39	1.54	1.56	1.56	1.54	1.56	
8171.	7.69	2.26	1.52	1.58	1.55	1.51	1.57	
8195.	7.70	2.27	1.53	1.55	1.54	1.53	1.55	
8277.	7.60	2.22	1.54	1.57	1.55	1.54	1.57	
8314.	7.69	2.24	1.55	1.55	1.58	1.52	1.55	
8344.	7.65	2.26	1.54	1.56	1.55	1.54	1.55	
8374.	7.67	2.24	1.54	1.56	1.55	1.54	1.56	
8424.	7.71	2.45	1.52	1.55	1.53	1.52	1.53	
8474.	7.65	1.98	1.55	1.59	1.56	1.51	1.53	
8504.	7.67	1.79	1.55	1.59	1.59	1.47	1.57	

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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	
7798.	4.58	9.96	1.07	1.20	1.13	1.16	.00	END OF DISCHARGE
7820.	4.55	9.96	1.06	1.19	1.13	1.15	.00	
7864.	4.54	9.95	1.07	1.20	1.14	1.16	.00	
7889.	4.54	9.94	1.07	1.20	1.14	1.17	.00	
7970.	4.56	9.87	1.07	1.21	1.14	1.17	.00	
8007.	4.49	9.98	1.07	1.20	1.13	1.16	.00	
8037.	4.51	9.91	1.06	1.20	1.13	1.16	.00	
8067.	4.49	9.88	1.06	1.19	1.13	1.16	.00	
8117.	4.49	9.84	1.06	1.19	1.13	1.16	.00	
8149.	4.46	9.90	1.04	1.20	1.13	1.15	.00	
8195.	4.46	9.84	1.05	1.20	1.13	1.16	.00	
8215.	4.48	9.94	1.05	1.19	1.13	1.16	.00	
8245.	4.45	9.98	1.05	1.18	1.12	1.15	.00	
		5.75						
7798.	6.14	2.92	1.55	1.52	1.54	1.55	.00	END OF CHARGE
7820.	6.14	2.86	1.54	1.52	1.54	1.55	.00	
7864.	6.14	2.87	1.54	1.51	1.57	1.54	.00	
7889.	6.14	2.90	1.55	1.52	1.55	1.55	.00	
7970.	6.21	2.91	1.54	1.53	1.56	1.56	.00	
8007.	6.11	2.88	1.55	1.52	1.55	1.56	.00	
8037.	6.12	2.89	1.54	1.52	1.54	1.55	.00	
8067.	6.12	2.92	1.54	1.52	1.55	1.55	.00	
8117.	6.11	2.89	1.52	1.51	1.54	1.53	.00	
8149.	6.23	2.90	1.52	1.51	1.52	1.52	.00	
8195.	6.22	2.84	1.52	1.51	1.53	1.52	.00	
8215.	6.11	2.92	1.53	1.53	1.56	1.55	.00	
8245.	6.11	2.91	1.55	1.51	1.54	1.56	.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	
4071.	6.20	6.04	1.26	1.24	1.21	1.26	1.25	END OF DISCHARGE
4106.	6.16	6.07	1.28	1.26	1.22	1.27	1.27	
4146.	6.15	6.05	1.26	1.24	1.21	1.26	1.26	
4186.	6.16	6.06	1.27	1.25	1.22	1.28	1.27	
4250.	6.12	6.05	1.25	1.24	1.20	1.26	1.25	
		1.38						
4071.	7.91	1.39	1.54	1.63	1.61	1.56	1.57	END OF CHARGE
4106.	7.76	1.37	1.56	1.63	1.58	1.55	1.57	
4146.	7.78	1.39	1.55	1.63	1.58	1.56	1.56	
4186.	7.78	1.41	1.53	1.59	1.54	1.53	1.53	
4250.	7.91	1.33	1.54	1.70	1.64	1.56	1.57	

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PACK NO. 94 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GOULD 20 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 10.00	CELL VOLTAGES 1	2	3	4	5	
3927.	5.99	10.17	1.22	1.20	1.19	1.21	1.20	END OF
3959.	5.98	10.16	1.22	1.20	1.19	1.21	1.21	DISCHARGE
3994.	6.04	10.20	1.22	1.21	1.19	1.22	1.22	
4034.	5.96	10.17	1.23	1.20	1.18	1.21	1.21	
4074.	6.01	10.18	1.24	1.21	1.20	1.23	1.23	
4106.	5.94	10.25	1.22	1.19	1.18	1.21	1.20	
4138.	5.95	10.16	1.23	1.20	1.19	1.21	1.21	
		2.30						
3927.	7.73	1.19	1.50	1.50	1.60	1.57	1.56	END OF
3959.	7.74	1.28	1.51	1.51	1.61	1.57	1.57	CHARGE
3994.	7.76	1.23	1.50	1.51	1.60	1.57	1.58	
4034.	7.69	1.24	1.51	1.56	1.54	1.57	1.56	
4074.	7.67	1.35	1.49	1.49	1.57	1.55	1.53	
4106.	7.63	1.39	1.48	1.48	1.56	1.52	1.51	
4138.	7.75	1.04	1.49	1.48	1.64	1.57	1.61	

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PACK NO. 105 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
GOULD 20 A.H. PERCENT OF RECHARGE 125 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT	CELL VOLTAGES 1	2	3	4	5	
		10.00						
3915.	5.64	9.81	.91	1.15	1.17	1.18	1.17	END OF DISCHARGE
3947.	5.60	9.82	.90	1.17	1.17	1.18	1.17	
4022.	5.52	9.68	.89	1.17	1.18	1.19	1.18	
4063.	5.46	9.48	.86	1.17	1.17	1.18	1.17	
4104.	5.53	9.53	.89	1.17	1.18	1.19	1.17	
4126.	5.51	9.48	.88	1.18	1.18	1.19	1.18	
		2.50						
3915.	7.21	1.43	1.42	1.48	1.44	1.44	1.47	END OF CHARGE
3947.	7.25	1.26	1.43	1.45	1.45	1.45	1.44	
4022.	7.15	1.22	1.44	1.45	1.45	1.46	1.44	
4063.	7.22	1.64	1.44	1.45	1.46	1.50	1.46	
4104.	7.15	1.55	1.43	1.44	1.44	1.44	1.42	
4126.	7.15	1.29	1.44	1.46	1.46	1.46	1.43	

PACK NO. 108
GOULD 20 A.H.

DEPTH OF DISCHARGE 15
PERCENT OF RECHARGE 160

TEST TEMPERATURE 40 C
ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	CELL VOLTAGES 1	2	3	4	5	
3839.	4.54	5.90	1.14	1.11	1.20	.00	1.20	END OF DISCHARGE
3872.	4.65	5.83	1.15	1.15	1.20	.00	1.19	
3904.	4.56	5.95	1.13	1.11	1.19	.00	1.17	
3979.	4.59	5.87	1.12	1.15	1.20	.00	1.18	
4003.	3.38	6.03	1.16	.10	1.21	.00	1.20	
4005.	3.62	6.09	1.21	.00	1.23	.00	1.24	
		1.92						END OF CHARGE
3839.	5.69	1.93	1.44	1.46	1.43	.00	1.45	
3872.	5.75	1.91	1.44	1.49	1.44	.00	1.44	
3904.	5.70	1.90	1.43	1.44	1.43	.00	1.43	
3979.	5.69	1.90	1.43	1.44	1.43	.00	1.43	
4003.	4.35	1.93	1.42	.13	1.43	.00	1.42	
4005.	4.25	1.95	1.44	.00	1.43	.00	1.43	

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PACK NO. 73 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25C
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	
7763.	2.10	9.96	.00	1.17	.00	.21	1.11	END OF DISCHARGE
		5.18						
7763.	4.50	5.18	.00	1.52	.00	1.42	1.49	END OF CHARGE

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	
7698.	3.61	6.08	1.20	.00	1.24	.07	1.21	END OF DISCHARGE
7714.	3.52	6.02	1.16	.00	1.19	.00	1.15	
7736.	3.47	5.98	1.15	.00	1.17	.00	1.13	
7780.	3.49	5.99	1.16	.00	1.17	.00	1.15	
7804.	3.46	5.99	1.16	.00	1.17	.00	1.14	
7886.	3.42	5.90	1.18	.00	1.18	.00	1.16	
7923.	3.43	5.97	1.16	.00	1.18	.00	1.14	
7953.	3.43	5.96	1.16	.00	1.17	.00	1.15	
7983.	3.41	5.94	1.15	.00	1.16	.00	1.14	
8033.	3.41	5.92	1.15	.00	1.17	.00	1.14	
8065.	3.40	5.93	1.14	.00	1.16	.00	1.14	
8111.	3.37	5.89	1.13	.00	1.16	.00	1.13	
8131.	3.36	5.85	1.13	.00	1.15	.00	1.13	
8161.	3.36	5.84	1.13	.00	1.15	.00	1.13	
		4.80						
7698.	4.37	3.31	1.46	.00	1.42	.03	1.42	END OF CHARGE
7714.	4.36	2.79	1.47	.00	1.43	.00	1.44	
7736.	4.37	2.67	1.49	.00	1.44	.00	1.46	
7780.	4.39	3.87	1.48	.00	1.43	.00	1.46	
7804.	4.36	3.02	1.47	.00	1.43	.00	1.44	
7886.	4.36	2.96	1.51	.00	1.45	.00	1.48	
7923.	4.34	2.99	1.49	.00	1.44	.00	1.45	
7953.	4.34	3.12	1.49	.00	1.45	.00	1.45	
7983.	4.35	2.89	1.50	.00	1.45	.00	1.46	
8033.	4.40	4.16	1.50	.00	1.45	.00	1.44	
8065.	4.47	4.28	1.49	.00	1.44	.00	1.43	
8111.	4.41	3.76	1.47	.00	1.43	.00	1.42	
8131.	4.34	2.53	1.49	.00	1.45	.00	1.44	
8161.	4.31	2.82	1.47	.00	1.44	.00	1.45	

PACK NO. 102 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GULTON 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	
3861.	4.92	6.01	1.23	.00	1.23	1.24	1.23	END OF
3899.	4.91	6.01	1.23	.00	1.23	1.24	1.22	DISCHARGE
3934.	4.88	5.99	1.26	.00	1.24	1.25	1.25	
3974.	4.87	6.00	1.24	.00	1.24	1.25	1.23	
4014.	4.91	6.00	1.25	.00	1.25	1.27	1.25	
4046.	4.87	6.09	1.23	.00	1.23	1.24	1.23	
		1.38						
3861.	6.13	1.05	1.55	.00	1.55	1.49	1.54	END OF
3899.	6.13	1.06	1.56	.00	1.56	1.49	1.54	CHARGE
3934.	6.08	1.02	1.57	.00	1.56	1.50	1.57	
3974.	6.03	1.32	1.56	.00	1.56	1.49	1.51	
4014.	6.16	1.08	1.54	.00	1.54	1.48	1.52	
4046.	6.21	1.09	1.54	.00	1.54	1.46	1.50	

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PACK NO. 116 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GULTON 20 A.H. PERCENT OF RECHARGE 115 ORBIT PERIOD 3 HOURS

CYCLE NO.	PACK VOLTAGE	CURRENT 10.00	CELL VOLTAGES 1	2	3	4	5	
3722.	5.84	10.08	1.19	1.18	1.13	1.20	1.17	END OF
3754.	5.81	10.07	1.18	1.18	1.13	1.20	1.16	DISCHARGE
3789.	5.86	9.98	1.19	1.19	1.14	1.21	1.19	
3829.	5.80	10.02	1.19	1.18	1.13	1.20	1.17	
3869.	5.86	9.95	1.20	1.19	1.14	1.21	1.19	
3901.	5.80	9.94	1.18	1.18	1.12	1.19	1.16	
		2.30						
3722.	7.78	1.65	1.47	1.62	1.59	1.59	1.55	END OF
3754.	7.78	1.63	1.46	1.62	1.59	1.59	1.55	CHARGE
3789.	7.81	1.68	1.46	1.62	1.58	1.59	1.57	
3829.	7.63	2.05	1.45	1.58	1.57	1.56	1.53	
3869.	7.70	1.67	1.45	1.59	1.55	1.56	1.52	
3901.	7.67	1.66	1.44	1.58	1.54	1.55	1.50	

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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	
3877.	5.54	5.96	1.13	1.09	1.09	1.11	1.13	END OF DISCHARGE
3909.	5.54	5.96	1.14	1.10	1.09	1.11	1.13	
3950.	5.54	5.91	1.17	1.12	1.11	1.13	1.16	
3984.	5.56	5.96	1.15	1.11	1.10	1.12	1.14	
4025.	5.55	5.95	1.15	1.11	1.10	1.12	1.14	
4066.	5.58	5.97	1.14	1.11	1.11	1.12	1.13	
		1.92						
3877.	7.00	1.91	1.41	1.46	1.39	1.39	1.44	END OF CHARGE
3909.	7.03	1.94	1.42	1.40	1.40	1.41	1.41	
3950.	7.13	.76	1.45	1.47	1.46	1.46	1.45	
3984.	7.03	1.93	1.43	1.41	1.41	1.42	1.42	
4025.	7.16	.71	1.44	1.45	1.45	1.45	1.44	
4066.	7.11	1.92	1.42	1.40	1.40	1.41	1.40	

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	
3693.	3.15	10.18	1.05	1.08	.00	.00	1.05	END OF
3725.	3.18	10.19	1.06	1.09	.00	.00	1.06	DISCHARGE
3766.	3.23	10.15	1.07	1.11	.00	.00	1.09	
3800.	3.25	10.06	1.09	1.11	.00	.00	1.09	
3841.	3.25	10.06	1.08	1.11	.00	.00	1.09	
3882.	3.23	10.08	1.08	1.11	.00	.00	1.08	
		3.20						
3693.	4.26	.98	1.43	1.43	.00	.00	1.42	END OF
3725.	4.31	1.05	1.45	1.45	.00	.00	1.44	CHARGE
3766.	4.41	1.30	1.47	1.47	.00	.00	1.48	
3800.	4.37	1.38	1.48	1.47	.00	.00	1.47	
3841.	4.40	1.51	1.49	1.48	.00	.00	1.48	
3882.	4.36	1.46	1.47	1.48	.00	.00	1.45	

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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	
1053.	6.14	1.50	1.23	1.23	1.23	1.23	1.23	END OF DISCHARGE
1075.	6.12	1.49	1.22	1.22	1.23	1.23	1.22	
1119.	6.13	1.50	1.22	1.22	1.22	1.23	1.22	
1143.	6.12	1.50	1.22	1.23	1.23	1.23	1.23	
1225.	6.05	1.49	1.25	1.25	1.23	1.23	1.24	
1262.	6.10	1.50	1.23	1.22	1.22	1.23	1.23	
1292.	6.08	1.50	1.23	1.23	1.23	1.23	1.23	
1322.	6.07	1.50	1.23	1.23	1.23	1.24	1.23	
1372.	6.06	1.50	1.23	1.23	1.23	1.23	1.23	
1404.	6.08	1.50	1.22	1.23	1.22	1.23	1.22	
1450.	6.07	1.50	1.22	1.23	1.23	1.23	1.22	
1470.	6.07	1.50	1.23	1.23	1.24	1.24	1.23	
1500.	6.05	1.50	1.23	1.23	1.23	1.23	1.23	
		.83						
1053.	7.39	.45	1.49	1.49	1.48	1.48	1.48	END OF CHARGE
1075.	7.38	.43	1.49	1.49	1.50	1.49	1.47	
1119.	7.33	.44	1.47	1.00	1.47	1.46	1.48	
1143.	7.37	.45	1.48	1.48	1.48	1.47	1.47	
1225.	7.31	.45	1.50	1.51	1.49	1.48	1.49	
1262.	7.29	.63	1.47	1.47	1.47	1.46	1.46	
1292.	7.32	.43	1.48	1.48	1.49	1.48	1.47	
1322.	7.33	.44	1.49	1.49	1.49	1.48	1.47	
1372.	7.40	.44	1.47	1.47	1.47	1.46	1.45	
1404.	7.44	.43	1.46	1.47	1.46	1.45	1.43	
1450.	7.43	.43	1.46	1.47	1.46	1.45	1.43	
1470.	7.32	.44	1.48	1.48	1.50	1.48	1.47	
1500.	7.32	.44	1.48	1.48	1.49	1.48	1.47	

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PACK NO. 107 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
G.E. 5 A.H. NIMBUS PERCENT OF RECHARGE 110 ORBIT PERIOD 90 MIN

CYCLE NO.	PACK VOLTAGES	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
85.	5.93	2.51	1.20	1.21	1.20	1.20	1.20	09	.545	.00	.00	.00	END OF
412.	5.99	2.49	1.20	1.20	1.20	1.20	1.20	12	.303	.00	.00	.00	DISCHARGE
438.	6.13	2.47	1.22	1.21	1.22	1.22	1.22	12	.807	.00	.00	.00	
478.	6.09	2.47	1.21	1.21	1.21	1.21	1.21	12	.531	.00	.00	.00	
584.	5.96	2.47	1.23	1.23	1.22	1.22	1.23	11	.314	.00	.00	.00	
649.	5.96	2.47	1.21	1.21	1.21	1.21	1.21	10	.715	.00	.00	.00	
703.	5.96	2.47	1.21	1.21	1.20	1.21	1.21	10	.135	.00	.00	.00	
727.	5.94	2.52	1.20	1.20	1.20	1.21	1.20	09	.916	.00	.00	.00	
813.	5.95	2.51	1.20	1.20	1.21	1.21	1.21	09	.345	.00	.00	.00	
825.	5.97	2.52	1.21	1.21	1.21	1.21	1.21	09	.317	.00	.00	.00	
		1.38											
85.	7.34	.84	1.50	1.49	1.48	1.48	1.49	10	.220	.00	.00	.00	END OF
412.	7.24	.91	1.46	1.45	1.45	1.45	1.45	12	.683	.00	.00	.00	CHARGE
438.	7.33	.85	1.47	1.53	1.46	1.46	1.51	13	.340	.00	.00	.00	
478.	7.35	.82	1.48	1.55	1.46	1.46	1.52	13	.121	.00	.00	.00	
584.	7.32	.77	1.52	1.51	1.48	1.49	1.51	12	.227	.00	.00	.00	
649.	7.36	.80	1.50	1.49	1.48	1.49	1.49	11	.770	.00	.00	.00	
703.	7.33	.81	1.50	1.49	1.47	1.48	1.48	10	.601	.00	.00	.00	
727.	7.33	.87	1.50	1.49	1.47	1.48	1.48	10	.401	.00	.00	.00	
813.	7.46	.86	1.48	1.47	1.46	1.46	1.46	09	.764	.00	.00	.00	
825.	7.32	.88	1.49	1.48	1.48	1.48	1.48	10	.11	.00	.00	.00	

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	
1073.	6.13	1.49	1.23	1.23	1.24	1.23	1.22	END OF DISCHARGE
1095.	6.11	1.48	1.22	1.22	1.23	1.22	1.22	
1139.	6.10	1.49	1.22	1.22	1.23	1.22	1.22	
1163.	6.13	1.49	1.23	1.23	1.24	1.23	1.23	
1205.	6.09	1.49	1.22	1.21	1.15	1.21	1.21	
1245.	6.17	1.50	1.23	1.24	1.24	1.24	1.25	
1280.	6.06	1.50	1.22	1.22	1.22	1.22	1.22	
1312.	6.06	1.50	1.23	1.23	1.23	1.23	1.23	
1368.	6.07	1.49	1.22	1.22	1.23	1.22	1.22	
1390.	6.08	1.50	1.22	1.22	1.23	1.22	1.22	
1431.	6.06	1.50	1.22	1.21	1.22	1.22	1.21	
1488.	6.05	1.50	1.22	1.22	1.22	1.22	1.22	
1520.	6.07	1.50	1.22	1.22	1.23	1.22	1.22	
		.90						
1073.	7.14	.89	1.45	1.44	1.43	1.43	1.43	END OF CHARGE
1095.	7.13	.89	1.43	1.42	1.46	1.41	1.41	
1139.	7.13	.89	1.43	1.42	1.45	1.41	1.40	
1163.	7.14	.89	1.45	1.44	1.43	1.43	1.43	
1205.	7.12	.89	1.44	1.43	1.34	1.42	1.42	
1245.	7.21	.88	1.45	1.45	1.44	1.45	1.46	
1280.	7.09	.89	1.44	1.43	1.42	1.43	1.43	
1312.	7.09	.89	1.45	1.44	1.43	1.44	1.43	
1368.	7.11	.89	1.45	1.44	1.43	1.43	1.44	
1390.	7.11	.89	1.45	1.44	1.43	1.43	1.43	
1431.	7.07	.90	1.42	1.41	1.40	1.39	1.39	
1488.	7.08	.89	1.44	1.43	1.42	1.43	1.43	
1520.	7.10	.89	1.45	1.43	1.43	1.43	1.43	

PACK NO. 304 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
G.E. 5 A.H. NIMBUS PERCENT OF RECHARGE 120 ORBIT PERIOD 90 MIN

CYCLE NO.	PACK VOLTAGES	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
504.	4.70	2.48	1.22	1.21	1.19	.03	1.21	22	.740	.00	.00	.00	END OF
569.	5.89	2.47	1.19	1.19	1.18	1.22	1.19	08	.354	.00	.00	.00	DISCHARGE
623.	5.89	2.47	1.19	1.19	1.18	1.21	1.19	08	.629	.00	.00	.00	
647.	5.88	2.48	1.19	1.19	1.18	1.21	1.19	08	.576	.00	.00	.00	
733.	5.86	2.48	1.19	1.18	1.18	1.21	1.19	08	.491	.00	.00	.00	
745.	5.87	2.48	1.19	1.18	1.18	1.21	1.19	08	.364	.00	.00	.00	
777.	5.85	2.47	1.18	1.18	1.17	1.21	1.19	08	.650	.00	.00	.00	
		1.50											
504.	5.84	1.49	1.50	1.50	1.49	.04	1.51	24	.854	.00	.00	.00	END OF
569.	7.29	1.50	1.49	1.47	1.48	1.47	1.48	16	.482	.00	.00	.00	CHARGE
623.	7.27	1.49	1.47	1.47	1.48	1.48	1.47	15	.985	.00	.00	.00	
647.	7.27	1.49	1.47	1.47	1.48	1.48	1.47	15	.711	.00	.00	.00	
733.	7.32	1.50	1.45	1.45	1.45	1.45	1.44	14	.844	.00	.00	.00	
745.	7.23	1.49	1.46	1.46	1.47	1.47	1.46	14	.971	.00	.00	.00	
777.	7.28	1.49	1.47	1.47	1.48	1.48	1.47	15	.161	.00	.00	.00	

801

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	
1073.	5.95	1.47	1.19	1.20	1.20	1.19	1.19	END OF DISCHARGE
1095.	5.91	1.47	1.18	1.19	1.19	1.18	1.18	
1139.	5.92	1.47	1.18	1.19	1.19	1.18	1.18	
1163.	5.95	1.47	1.19	1.20	1.20	1.19	1.19	
1205.	5.80	1.47	1.18	1.18	1.19	1.18	1.18	
1245.	5.89	1.48	1.21	1.22	1.21	1.20	1.21	
1280.	5.89	1.48	1.19	1.20	1.20	1.19	1.19	
1312.	5.91	1.49	1.20	1.20	1.19	1.19	1.19	
1368.	5.86	1.49	1.19	1.20	1.19	1.19	1.19	
1390.	5.87	1.49	1.19	1.20	1.19	1.19	1.19	
1431.	5.89	1.49	1.18	1.20	1.19	1.18	1.18	
1488.	5.86	1.49	1.19	1.20	1.20	1.18	1.19	
1520.	5.87	1.49	1.19	1.20	1.20	1.19	1.19	
		.98						
1073.	7.03	.97	1.41	1.41	1.41	1.40	1.40	END OF CHARGE
1095.	6.98	.98	1.40	1.47	1.39	1.39	1.44	
1139.	6.99	.98	1.40	1.47	1.39	1.38	1.44	
1163.	7.04	.97	1.41	1.41	1.40	1.40	1.40	
1205.	6.90	.97	1.41	1.40	1.40	1.40	1.40	
1245.	6.97	.96	1.43	1.43	1.41	1.41	1.42	
1280.	6.99	.97	1.42	1.42	1.41	1.41	1.41	
1312.	7.02	.97	1.42	1.41	1.41	1.41	1.42	
1368.	7.00	.97	1.42	1.42	1.41	1.42	1.41	
1390.	7.00	.97	1.42	1.42	1.41	1.42	1.41	
1431.	7.11	.97	1.40	1.40	1.38	1.38	1.37	
1488.	6.99	.97	1.42	1.42	1.42	1.41	1.41	
1520.	7.00	.98	1.42	1.42	1.42	1.42	1.41	

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PACK NO. 114 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
G.E. 5 A.H. NIMBUS PERCENT OF RECHARGE 130 ORBIT PERIOD 90 MIN

CYCLE NO.	PACK VOLTAGES	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
470.	4.42	2.48	1.17	1.12	1.12	.03	1.13	05	.438	.00	.00	.00	END OF
535.	4.41	2.47	1.14	1.10	1.11	.00	1.11	02	.218	.00	.00	.00	DISCHARGE
589.	4.44	2.47	1.15	1.12	1.12	.00	1.11	01	.19	.00	.00	.00	
613.	4.43	2.47	1.14	1.11	1.12	.00	1.11	02	.228	.00	.00	.00	
699.	4.42	2.47	1.14	1.11	1.11	.00	1.11	01	.169	.00	.00	.00	
711.	4.44	2.47	1.14	1.12	1.12	.00	1.11	02	.303	.00	.00	.00	
743.	5.56	2.50	1.13	1.10	1.09	1.22	1.10	13	.613	.00	.00	.00	
		1.63											
470.	5.65	1.61	1.45	1.45	1.44	.03	1.45	03	.919	.00	.00	.00	END OF
535.	5.67	1.62	1.43	1.43	1.43	.00	1.43	01	.244	.00	.00	.00	CHARGE
589.	5.67	1.61	1.43	1.44	1.43	.00	1.43	01	.822	.00	.00	.00	
613.	5.67	1.62	1.43	1.44	1.43	.00	1.43	01	.169	.00	.00	.00	
699.	5.78	1.62	1.42	1.42	1.42	.02	1.41	02	.293	.00	.00	.00	
711.	5.67	1.61	1.43	1.44	1.44	.00	1.43	00	.934	.00	.00	.00	
743.	7.10	1.61	1.43	1.44	1.44	1.45	1.43	20	.986	.00	.00	.00	

PACK NO. 117 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 0 C
GULTON 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	
845.	6.08	1.50	1.23	1.23	1.22	1.22	1.21	END OF DISCHARGE
867.	6.06	1.50	1.22	1.22	1.22	1.22	1.21	
911.	6.09	1.50	1.23	1.22	1.22	1.23	1.22	
935.	6.10	1.50	1.23	1.23	1.22	1.23	1.22	
1017.	6.12	1.50	1.23	1.23	1.23	1.23	1.24	
1054.	6.03	1.50	1.23	1.22	1.22	1.22	1.21	
1084.	6.05	1.50	1.23	1.22	1.21	1.22	1.22	
1114.	6.05	1.50	1.23	1.22	1.21	1.22	1.22	
1164.	6.04	1.50	1.23	1.22	1.21	1.22	1.22	
1196.	6.04	1.50	1.22	1.21	1.21	1.21	1.21	
1242.	6.03	1.50	1.22	1.21	1.21	1.21	1.21	
1262.	6.05	1.50	1.23	1.22	1.22	1.22	1.22	
1292.	6.03	1.50	1.23	1.22	1.21	1.22	1.22	
		.83						
845.	7.48	.61	1.51	1.49	1.52	1.48	1.48	END OF CHARGE
867.	7.49	.58	1.51	1.49	1.52	1.49	1.48	
911.	7.49	.58	1.50	1.49	1.53	1.48	1.47	
935.	7.49	.58	1.51	1.50	1.53	1.49	1.49	
1017.	7.55	.57	1.51	1.50	1.53	1.50	1.51	
1054.	7.42	.58	1.51	1.50	1.52	1.49	1.48	
1084.	7.44	.58	1.51	1.49	1.52	1.49	1.49	
1114.	7.46	.58	1.51	1.50	1.52	1.49	1.49	
1164.	7.44	.58	1.49	1.48	1.51	1.47	1.47	
1196.	7.43	.59	1.48	1.47	1.50	1.45	1.45	
1242.	7.42	.58	1.48	1.47	1.50	1.45	1.45	
1262.	7.44	.58	1.51	1.49	1.52	1.49	1.49	
1292.	7.44	.57	1.51	1.49	1.53	1.49	1.49	

PACK NO. 121 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GULTON 5 A.H. NIMBUS PERCENT OF RECHARGE 110 ORBIT PERIOD 90 MIN

CYCLE NO.	PACK VOLTAGES	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
412.	5.95	2.48	1.18	1.19	1.19	1.19	1.19	02	.443	.00	.00	.00	END OF DISCHARGE
438.	6.00	2.48	1.19	1.18	1.19	1.19	1.19	02	.455	.00	.00	.00	
478.	5.98	2.47	1.18	1.19	1.19	1.19	1.19	02	.560	.00	.00	.00	
584.	5.89	2.49	1.22	1.22	1.20	1.21	1.21	03	.181	.00	.00	.00	
649.	5.90	2.47	1.19	1.19	1.19	1.21	1.19	03	.286	.00	.00	.00	
703.	5.91	2.47	1.19	1.20	1.19	1.21	1.19	03	.321	.00	.00	.00	
727.	5.90	2.47	1.19	1.20	1.19	1.21	1.19	03	.333	.00	.00	.00	
813.	5.89	2.46	1.19	1.19	1.19	1.00	1.19	03	.462	.00	.00	.00	
825.	5.91	2.46	1.19	1.20	1.20	1.21	1.20	03	.567	.00	.00	.00	
857.	5.89	2.46	1.19	1.20	1.19	1.20	1.19	03	.673	.00	.00	.00	
		1.38											
412.	7.32	.86	1.45	1.48	1.48	1.43	1.48	02	.490	.00	.00	.00	END OF CHARGE
438.	7.26	.86	1.44	1.54	1.46	1.41	1.51	02	.279	.00	.00	.00	
478.	7.26	.96	1.45	1.56	1.47	1.42	1.52	02	.467	.00	.00	.00	
584.	7.30	.83	1.50	1.52	1.50	1.46	1.51	03	.368	.00	.00	.00	
649.	7.33	.82	1.47	1.49	1.49	1.47	1.49	03	.638	.00	.00	.00	
703.	7.32	.82	1.47	1.49	1.49	1.47	1.49	03	.649	.00	.00	.00	
727.	7.33	.83	1.47	1.49	1.49	1.47	1.49	03	.661	.00	.00	.00	
813.	7.45	.81	1.45	1.48	1.48	1.45	1.46	03	.497	.00	.00	.00	
825.	7.32	.84	1.47	1.49	1.50	1.47	1.49	03	.884	.00	.00	.00	
857.	7.33	.81	1.48	1.50	1.49	1.47	1.49	04	.71	.00	.00	.00	

211

PACK NO. 120 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 25 C
GULTON 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	
950.	5.87	1.49	1.24	1.00	1.22	1.23	1.22	END OF
972.	5.86	1.48	1.24	1.00	1.22	1.22	1.21	DISCHARGE
1016.	5.86	1.49	1.23	.99	1.21	1.22	1.21	
1040.	5.87	1.49	1.24	1.00	1.22	1.23	1.22	
1082.	5.87	1.49	1.23	1.12	1.21	1.22	1.21	
1122.	5.99	1.48	1.26	1.18	1.23	1.24	1.24	
1157.	6.02	1.49	1.24	1.20	1.22	1.23	1.22	
1189.	6.04	1.49	1.25	1.19	1.22	1.23	1.22	
1245.	6.00	1.49	1.24	1.18	1.22	1.23	1.22	
1267.	6.03	1.49	1.24	1.22	1.22	1.23	1.22	
1308.	6.06	1.50	1.23	1.22	1.21	1.22	1.21	
1365.	6.02	1.49	1.24	1.21	1.22	1.23	1.22	
1397.	6.03	1.49	1.24	1.22	1.22	1.23	1.22	
		.90						
950.	7.27	.89	1.43	1.55	1.43	1.43	1.43	END OF
972.	7.24	.88	1.42	1.62	1.41	1.42	1.46	CHARGE
1016.	7.24	.88	1.42	1.62	1.41	1.42	1.46	
1040.	7.30	.89	1.43	1.56	1.42	1.43	1.43	
1082.	7.07	.89	1.43	1.48	1.43	1.43	1.42	
1122.	7.15	.90	1.45	1.50	1.43	1.44	1.45	
1157.	7.12	.89	1.43	1.46	1.43	1.44	1.43	
1189.	7.17	.89	1.44	1.46	1.43	1.44	1.45	
1245.	7.15	.89	1.44	1.47	1.43	1.45	1.44	
1267.	7.12	.89	1.44	1.45	1.43	1.45	1.44	
1308.	7.23	.89	1.42	1.43	1.40	1.41	1.40	
1365.	7.10	.89	1.43	1.44	1.44	1.44	1.43	
1397.	7.12	.89	1.44	1.45	1.44	1.45	1.44	

PACK NO. 318 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
GULTON 5 A.H. NIMBUS PERCENT OF RECHARGE 120 ORBIT PERIOD 90 MIN

CYCLE NO.	PACK VOLTAGES	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
504.	4.66	2.50	1.21	1.18	1.22	.03	1.18	17	.304	.00	.00	.00	END OF
569.	5.78	2.50	1.19	1.15	1.21	1.15	1.16	11	.329	.00	.00	.00	DISCHARGE
623.	5.76	2.50	1.19	1.15	1.21	1.13	1.16	11	.609	.00	.00	.00	
647.	5.74	2.50	1.18	1.14	1.20	1.13	1.16	11	.481	.00	.00	.00	
733.	5.68	2.51	1.18	1.11	1.21	1.11	1.16	11	.574	.00	.00	.00	
745.	5.69	2.51	1.18	1.12	1.21	1.11	1.15	11	.749	.00	.00	.00	
777.	5.66	2.50	1.18	1.11	1.20	1.09	1.15	12	.041	.00	.00	.00	
		1.50											
504.	5.79	1.49	1.48	1.48	1.48	.03	1.48	15	.005	.00	.00	.00	END OF
569.	7.26	1.49	1.47	1.46	1.47	1.49	1.46	22	.019	.00	.00	.00	CHARGE
623.	7.25	1.49	1.46	1.46	1.47	1.49	1.46	20	.852	.00	.00	.00	
647.	7.24	1.49	1.46	1.46	1.47	1.48	1.46	20	.093	.00	.00	.00	
733.	7.36	1.50	1.44	1.45	1.44	1.46	1.44	18	.926	.00	.00	.00	
745.	7.21	1.50	1.45	1.45	1.46	1.48	1.46	18	.938	.00	.00	.00	
777.	7.25	1.49	1.47	1.46	1.47	1.49	1.47	19	.650	.00	.00	.00	

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	
996.	5.84	1.48	1.16	1.16	1.18	1.19	1.17	END OF DISCHARGE
1018.	5.78	1.47	1.15	1.15	1.17	1.19	1.16	
1062.	5.77	1.48	1.15	1.15	1.17	1.19	1.16	
1086.	5.82	1.48	1.16	1.16	1.18	1.19	1.17	
1128.	5.78	1.49	1.15	1.15	1.10	1.18	1.16	
1168.	5.88	1.48	1.16	1.17	1.19	1.20	1.19	
1203.	5.77	1.49	1.16	1.15	1.17	1.19	1.17	
1235.	5.78	1.48	1.16	1.16	1.18	1.19	1.17	
1291.	5.76	1.48	1.15	1.15	1.17	1.19	1.16	
1313.	5.77	1.49	1.16	1.15	1.17	1.19	1.16	
1354.	5.75	1.49	1.15	1.14	1.17	1.18	1.15	
1411.	5.75	1.49	1.15	1.14	1.17	1.19	1.16	
1443.	5.77	1.49	1.16	1.15	1.17	1.19	1.17	
		.98						
996.	7.06	.96	1.42	1.42	1.41	1.41	1.41	END OF CHARGE
1018.	7.05	.97	1.40	1.41	1.44	1.39	1.39	
1062.	7.05	.97	1.40	1.41	1.44	1.39	1.38	
1086.	7.05	.96	1.42	1.42	1.41	1.41	1.41	
1128.	7.04	.97	1.41	1.41	1.32	1.40	1.40	
1168.	7.10	.96	1.42	1.43	1.42	1.42	1.43	
1203.	7.02	.96	1.42	1.42	1.41	1.41	1.41	
1235.	7.02	.96	1.42	1.42	1.41	1.41	1.41	
1291.	7.03	.96	1.42	1.42	1.41	1.41	1.41	
1313.	7.03	.96	1.42	1.42	1.41	1.41	1.41	
1354.	7.01	.97	1.39	1.40	1.39	1.37	1.37	
1411.	7.02	.96	1.42	1.42	1.41	1.41	1.41	
1443.	7.04	.96	1.42	1.42	1.41	1.41	1.41	

PACK NO. 128 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
GULTON 5 A.H. NIMBUS PERCENT OF RECHARGE 130 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 2.50	CELL VOLTAGES 1	2	3	4	5	1	2	3	4	5	
298.	5.55	2.47	1.11	1.08	1.13	1.16	1.07	13	.93	.00	.00	.00	END OF
324.	5.59	2.47	1.11	1.06	1.13	1.17	1.07	13	.564	.00	.00	.00	DISCHARGE
364.	5.53	2.46	1.09	1.06	1.12	1.16	1.05	13	.833	.00	.00	.00	
470.	5.24	2.47	1.07	1.03	1.11	1.16	1.02	14	.427	.00	.00	.00	
535.	5.24	2.46	1.05	1.02	1.10	1.15	.99	14	.595	.00	.00	.00	
589.	5.30	2.47	1.07	1.04	1.10	1.16	1.01	14	.584	.00	.00	.00	
613.	5.29	2.47	1.06	1.04	1.09	1.16	1.01	14	.707	.00	.00	.00	
699.	5.27	2.47	1.06	1.04	1.09	1.15	1.00	14	.932	.00	.00	.00	
711.	5.34	2.48	1.00	1.06	1.09	1.16	1.03	15	.44	.00	.00	.00	
743.	5.21	2.46	1.05	1.03	1.07	1.15	.98	15	.100	.00	.00	.00	
		1.63											
298.	7.13	1.62	1.42	1.43	1.44	1.41	1.43	18	.407	.00	.00	.00	END OF
324.	7.07	1.64	1.41	1.49	1.42	1.40	1.46	18	.732	.00	.00	.00	CHARGE
364.	7.06	1.64	1.40	1.50	1.42	1.40	1.47	19	.404	.00	.00	.00	
470.	7.06	1.62	1.44	1.46	1.45	1.42	1.46	04	.02	.00	.00	.00	
535.	7.09	1.63	1.43	1.44	1.45	1.42	1.44	20	.447	.00	.00	.00	
589.	7.10	1.62	1.43	1.44	1.45	1.42	1.44	19	.920	.00	.00	.00	
613.	7.10	1.63	1.43	1.44	1.45	1.43	1.44	19	.976	.00	.00	.00	
699.	7.18	1.63	1.42	1.43	1.43	1.40	1.42	19	.965	.00	.00	.00	
711.	7.10	1.63	1.43	1.44	1.46	1.42	1.44	20	.133	.00	.00	.00	
743.	7.11	1.63	1.43	1.45	1.45	1.43	1.45	20	.750	.00	.00	.00	

911

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	
444.	3.19	2.99	.00	.97	.00	1.04	1.04	END OF
462.	2.52	2.84	.00	.94	.00	.95	.98	DISCHARGE
470.	2.38	2.56	.00	.85	.00	.87	.90	
		.26						
444.	4.10	.26	.00	1.51	.00	1.38	1.44	END OF
462.	4.16	.27	.00	1.41	.00	1.40	1.40	CHARGE
470.	4.18	.27	.00	1.40	.00	1.40	1.40	

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

CYCLE NO.	PACK VOLIAGE	CURRENI 5.00	CELL VOLTAGES 1	2	3	4	5	6	7	8	9	10	
54.	13.45	5.00	1.50	1.48	1.48	1.48	.00	1.53	1.49	1.48	1.53	1.47	END OF DISCHARGEE
		.49											
54.	17.25	.49	2.14	1.59	1.85	2.14	.00	2.09	2.18	2.20	1.55	1.60	END OF CHARGE

811

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	
4983.	6.17	1.20	1.25	1.25	1.25	1.24	1.24	END OF
5001.	6.26	1.19	1.26	1.25	1.26	1.25	1.25	DISCHARGE
5043.	6.24	1.18	1.23	1.26	2.76	1.14	1.24	
5067.	6.24	1.18	1.25	1.25	1.25	1.25	1.25	
5137.	6.27	1.17	1.25	1.26	1.25	1.26	1.27	
5248.	6.22	1.18	1.26	1.25	1.25	1.25	1.25	
5360.	6.21	1.19	1.25	1.25	1.25	1.24	1.24	
5396.	6.19	1.19	1.25	1.25	1.24	1.24	1.24	
5423.	6.18	1.18	1.25	1.25	1.24	1.24	1.24	
		.69						
4983.	7.64	.61	1.53	1.55	1.51	1.55	1.53	END OF
5001.	7.71	.65	1.54	1.56	1.53	1.55	1.54	CHARGE
5043.	7.69	.62	1.52	1.54	1.55	1.53	1.52	
5067.	7.71	.67	1.54	1.56	1.53	1.56	1.54	
5137.	7.74	.63	1.54	1.57	1.53	1.56	1.56	
5248.	7.65	.66	1.54	1.55	1.52	1.56	1.54	
5360.	7.74	.58	1.52	1.54	1.49	1.52	1.50	
5396.	7.63	.61	1.54	1.55	1.51	1.54	1.54	
5423.	7.61	.66	1.53	1.55	1.50	1.54	1.53	

611

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	
5294.	5.97	1.97	1.20	1.20	1.19	1.19	1.19	END OF DISCHARGE
5316.	5.94	1.97	1.19	1.20	1.19	1.19	1.19	
5360.	5.97	1.98	1.19	1.19	1.18	1.18	1.19	
5384.	5.96	1.98	1.20	1.20	1.19	1.19	1.19	
5466.	5.92	1.96	1.21	1.22	1.20	1.19	1.20	
5503.	5.92	1.99	1.20	1.20	1.19	1.19	1.19	
5533.	5.92	1.97	1.20	1.20	1.19	1.19	1.19	
5563.	5.91	1.97	1.20	1.20	1.19	1.19	1.19	
5613.	5.88	1.97	1.19	1.20	1.19	1.19	1.19	
5645.	5.91	1.98	1.19	1.19	1.18	1.18	1.19	
5691.	5.89	1.98	1.19	1.19	1.18	1.18	1.18	
5711.	5.90	1.98	1.19	1.20	1.19	1.19	1.19	
5741.	5.88	1.97	1.19	1.20	1.19	1.19	1.19	
		1.15						
5294.	7.66	.67	1.55	1.52	1.55	1.55	1.53	END OF CHARGE
5316.	7.67	.65	1.55	1.52	1.55	1.55	1.53	
5360.	7.62	.70	1.54	1.54	1.53	1.54	1.55	
5384.	7.67	.71	1.55	1.52	1.54	1.55	1.53	
5466.	7.64	.76	1.57	1.55	1.55	1.56	1.56	
5503.	7.69	.82	1.56	1.53	1.55	1.57	1.54	
5533.	7.64	.71	1.55	1.53	1.55	1.56	1.53	
5563.	7.66	.76	1.56	1.53	1.55	1.57	1.54	
5613.	7.70	.64	1.53	1.51	1.52	1.53	1.50	
5645.	7.61	.69	1.52	1.50	1.52	1.51	1.49	
5691.	7.58	.64	1.52	1.49	1.52	1.51	1.48	
5711.	7.59	.64	1.54	1.52	1.54	1.55	1.53	
5741.	7.60	.67	1.55	1.52	1.54	1.55	1.53	

021

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	
5143.	5.66	1.99	1.13	1.09	1.12	1.14	1.15	END OF DISCHARGE
5167.	5.90	1.99	1.18	1.14	1.17	1.16	1.17	
5209.	5.73	1.99	1.14	1.11	1.14	1.13	1.14	
5235.	5.88	2.00	1.18	1.14	1.17	1.16	1.17	
5275.	5.69	2.01	1.17	1.14	1.16	1.15	1.16	
5319.	5.69	1.99	1.18	1.16	1.16	1.15	1.17	
5357.	5.70	2.00	1.17	1.14	1.16	1.15	1.16	
5384.	5.72	1.99	1.17	1.15	1.16	1.16	1.16	
5438.	5.76	1.99	1.17	1.16	1.17	1.16	1.16	
5462.	5.76	1.99	1.17	1.16	1.17	1.16	1.16	
5501.	5.73	2.00	1.17	1.15	1.16	1.15	1.16	
5548.	5.72	1.99	1.16	1.15	1.16	1.16	1.16	
5558.	5.63	1.99	1.15	1.12	1.14	1.15	1.14	
5592.	5.68	1.99	1.15	1.15	1.15	1.16	1.16	
		1.25						
5143.	7.35	1.27	1.46	1.45	1.44	1.49	1.47	END OF CHARGE
5167.	7.27	1.26	1.45	1.50	1.42	1.47	1.50	
5209.	7.25	1.26	1.44	1.51	1.42	1.46	1.50	
5235.	7.23	1.27	1.45	1.45	1.43	1.47	1.47	
5275.	7.15	1.27	1.45	1.45	1.44	1.48	1.46	
5319.	7.22	1.27	1.48	1.48	1.44	1.48	1.48	
5357.	7.23	1.27	1.46	1.46	1.44	1.49	1.47	
5384.	7.26	1.27	1.47	1.46	1.45	1.50	1.48	
5438.	7.25	1.27	1.46	1.46	1.44	1.49	1.47	
5462.	7.25	1.28	1.46	1.46	1.44	1.50	1.47	
5501.	7.31	1.28	1.44	1.44	1.41	1.45	1.43	
5548.	7.25	1.27	1.45	1.44	1.42	1.47	1.45	
5558.	7.21	1.26	1.46	1.45	1.45	1.49	1.47	
5592.	7.25	1.25	1.47	1.46	1.45	1.50	1.48	

PACK NO. 214
GULTON 4 A.H.

DEPTH OF DISCHARGE 40
PERCENT OF RECHARGE 125

TEST TEMPERATURE 25 C
ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 3.2	CELL VOLTAGES 1	2	3	4	5	
4833.	5.65	3.17	1.12	1.14	1.11	1.12	1.12	END OF DISCHARGE
4855.	5.48	3.16	1.09	1.12	1.08	1.10	1.06	
4899.	5.65	3.20	1.11	1.13	1.11	1.12	1.11	
4923.	5.62	3.20	1.11	1.14	1.10	1.12	1.12	
5005.	5.40	3.18	1.09	1.14	1.10	1.12	1.11	
5042.	5.49	3.19	1.09	1.14	1.10	1.12	1.10	
5072.	5.53	3.19	1.12	1.14	1.10	1.13	1.11	
5102.	5.43	3.18	1.09	1.13	1.09	1.11	1.07	
5152.	5.34	3.19	1.06	1.12	1.08	1.11	1.04	
5184.	5.47	3.22	1.11	1.13	1.09	1.11	1.08	
5230.	5.35	3.20	1.07	1.11	1.05	1.09	1.09	
5250.	5.44	3.21	1.11	1.13	1.07	1.11	1.09	
5280.	5.41	3.19	1.10	1.13	1.06	1.11	1.09	
		2.00						
4833.	7.43	1.71	1.46	1.47	1.53	1.50	1.44	END OF CHARGE
4855.	7.44	1.66	1.46	1.48	1.53	1.50	1.44	
4899.	7.34	1.62	1.44	1.51	1.51	1.48	1.46	
4923.	7.44	1.60	1.46	1.48	1.53	1.50	1.44	
5005.	7.31	1.50	1.48	1.50	1.53	1.51	1.47	
5042.	7.31	1.54	1.45	1.48	1.52	1.51	1.45	
5072.	7.33	1.51	1.46	1.48	1.52	1.51	1.45	
5102.	7.33	1.49	1.46	1.48	1.53	1.51	1.44	
5152.	7.35	1.57	1.44	1.47	1.50	1.49	1.42	
5184.	7.41	1.59	1.43	1.46	1.49	1.47	1.40	
5230.	7.41	1.63	1.43	1.46	1.48	1.47	1.41	
5250.	7.29	1.62	1.45	1.47	1.51	1.50	1.44	
5280.	7.30	1.59	1.45	1.48	1.51	1.51	1.44	

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	
5047.	5.96	1.19	1.20	1.20	1.19	1.16	1.19	END OF DISCHARGE
5071.	6.01	1.18	1.20	1.18	1.19	1.17	1.19	
5113.	5.94	1.18	1.19	1.18	1.18	1.15	1.18	
5139.	6.02	1.18	1.20	1.19	1.19	1.17	1.19	
5179.	5.84	1.18	1.20	1.19	1.20	1.17	1.19	
5223.	5.87	1.17	1.22	1.22	1.20	1.17	1.21	
5261.	5.88	1.18	1.20	1.20	1.20	1.17	1.19	
5288.	5.88	1.18	1.20	1.20	1.19	1.17	1.19	
5342.	5.90	1.19	1.21	1.21	1.20	1.18	1.19	
5366.	5.91	1.18	1.21	1.21	1.20	1.18	1.19	
5405.	5.90	1.19	1.20	1.20	1.19	1.17	1.19	
5452.	5.89	1.20	1.20	1.20	1.20	1.17	1.19	
5462.	5.87	1.19	1.20	1.20	1.20	1.17	1.19	
5496.	5.88	1.18	1.21	1.20	1.20	1.17	1.19	
		.96						
5047.	7.11	.96	1.43	1.42	1.41	1.42	1.42	END OF CHARGE
5071.	7.05	.97	1.41	1.46	1.40	1.40	1.44	
5113.	7.06	.97	1.41	1.45	1.40	1.40	1.44	
5139.	7.07	.97	1.42	1.41	1.40	1.41	1.42	
5179.	6.94	.97	1.42	1.41	1.41	1.42	1.41	
5223.	7.01	.96	1.45	1.44	1.42	1.42	1.43	
5261.	7.04	.98	1.43	1.42	1.42	1.43	1.42	
5288.	7.04	.98	1.43	1.42	1.42	1.43	1.42	
5342.	7.05	.98	1.44	1.43	1.42	1.43	1.42	
5366.	7.05	.98	1.44	1.43	1.42	1.43	1.42	
5405.	7.20	.97	1.41	1.41	1.39	1.39	1.39	
5452.	7.09	.97	1.42	1.42	1.40	1.41	1.40	
5462.	7.05	.96	1.43	1.43	1.42	1.43	1.42	
5496.	7.05	.96	1.44	1.43	1.42	1.43	1.43	

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	
5148.	5.60	1.99	1.14	1.15	1.03	1.15	1.11	END OF DISCHARGE
5171.	5.74	2.00	1.15	1.14	1.10	1.15	1.12	
5213.	5.53	1.99	1.12	1.12	1.02	1.12	1.07	
5239.	5.66	2.00	1.15	1.14	1.03	1.15	1.12	
5279.	5.54	1.99	1.15	1.15	1.10	1.15	1.11	
5323.	5.54	1.97	1.17	1.17	1.09	1.16	1.12	
5361.	5.43	2.01	1.14	1.14	.98	1.14	1.10	
5388.	5.51	2.01	1.14	1.14	1.05	1.15	1.10	
5442.	5.51	2.02	1.15	1.15	1.01	1.15	1.11	
5466.	5.57	2.02	1.15	1.15	1.07	1.16	1.11	
5505.	5.56	2.02	1.15	1.15	1.07	1.15	1.10	
5552.	5.56	2.01	1.15	1.15	1.07	1.16	1.11	
5562.	5.43	2.00	1.14	1.14	1.00	1.14	1.08	
5596.	5.55	2.00	1.15	1.15	1.08	1.15	1.10	
		1.60						
5148.	7.25	1.45	1.45	1.46	1.42	1.46	1.43	END OF CHARGE
5171.	7.16	1.49	1.44	1.51	1.40	1.44	1.46	
5213.	7.17	1.43	1.43	1.51	1.41	1.44	1.46	
5239.	7.26	1.42	1.44	1.46	1.41	1.45	1.43	
5279.	7.07	1.48	1.44	1.46	1.42	1.45	1.43	
5323.	7.15	1.45	1.47	1.49	1.44	1.47	1.46	
5361.	7.17	1.48	1.45	1.47	1.43	1.47	1.44	
5388.	7.17	1.45	1.45	1.47	1.43	1.47	1.44	
5442.	7.18	1.46	1.45	1.47	1.43	1.47	1.44	
5466.	7.18	1.46	1.45	1.48	1.43	1.47	1.44	
5505.	7.31	1.51	1.43	1.46	1.40	1.44	1.40	
5552.	7.22	1.48	1.44	1.47	1.41	1.45	1.42	
5562.	7.18	1.46	1.45	1.47	1.43	1.47	1.44	
5596.	7.19	1.48	1.45	1.48	1.43	1.48	1.44	

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	
2038.	6.24	3.60	1.24	1.23	1.24	1.24	1.24	END OF DISCHARGE
2080.	6.20	3.60	1.23	1.23	1.23	1.23	1.23	
2106.	6.22	3.62	1.23	1.23	1.23	1.23	1.23	
2146.	6.05	3.57	1.23	1.24	1.24	1.23	1.23	
2190.	6.10	3.54	1.26	1.27	1.25	1.25	1.25	
2228.	6.11	3.59	1.24	1.24	1.24	1.24	1.23	
2255.	6.10	3.59	1.24	1.24	1.23	1.24	1.23	
2309.	6.11	3.56	1.24	1.25	1.24	1.24	1.23	
2333.	6.11	3.52	1.24	1.24	1.24	1.24	1.23	
2362.	6.13	3.50	1.24	1.25	1.24	1.24	1.23	
2419.	6.13	3.54	1.24	1.25	1.24	1.25	1.24	
2429.	6.11	3.55	1.24	1.24	1.24	1.24	1.23	
2453.	6.11	3.53	1.24	1.25	1.24	1.24	1.24	
		2.07						
2038.	7.47	1.05	1.52	1.54	1.46	1.46	1.56	END OF CHARGE
2080.	7.45	1.06	1.56	1.56	1.45	1.46	1.53	
2106.	7.44	1.03	1.57	1.52	1.45	1.46	1.52	
2146.	7.40	1.01	1.59	1.50	1.47	1.48	1.49	
2190.	7.46	1.03	1.62	1.53	1.48	1.49	1.52	
2228.	7.49	.98	1.60	1.51	1.47	1.49	1.51	
2255.	7.48	1.03	1.60	1.51	1.47	1.49	1.50	
2309.	7.48	1.01	1.60	1.51	1.48	1.49	1.50	
2333.	7.46	1.04	1.59	1.51	1.47	1.48	1.50	
2362.	7.58	.97	1.57	1.49	1.45	1.45	1.46	
2419.	7.51	.99	1.58	1.50	1.46	1.47	1.48	
2429.	7.47	1.01	1.59	1.50	1.48	1.49	1.50	
2453.	7.48	.98	1.61	1.51	1.47	1.49	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	
3025.	6.02	5.98	1.21	1.21	1.21	1.20	1.20	END OF
3085.	6.06	5.96	1.20	1.20	1.21	1.20	1.20	DISCHARGE
3109.	6.03	5.97	1.20	1.21	1.20	1.20	1.20	
3179.	5.94	5.93	1.23	1.23	1.22	1.21	1.22	
3258.	5.96	6.01	1.21	1.21	1.21	1.21	1.21	
3290.	5.99	6.00	1.22	1.22	1.22	1.21	1.21	
3338.	5.95	6.00	1.21	1.21	1.21	1.21	1.20	
3390.	6.08	5.95	1.24	1.24	1.24	1.23	1.23	
3417.	6.03	5.96	1.23	1.23	1.22	1.22	1.22	
		3.45						
3025.	7.72	1.78	1.53	1.53	1.52	1.60	1.52	END OF
3085.	7.60	1.73	1.51	1.58	1.49	1.58	1.55	CHARGE
3109.	7.67	1.75	1.52	1.52	1.51	1.60	1.52	
3179.	7.59	1.68	1.54	1.55	1.52	1.61	1.54	
3258.	7.48	2.24	1.51	1.51	1.50	1.54	1.50	
3290.	7.64	1.73	1.53	1.53	1.52	1.62	1.53	
3338.	7.50	2.29	1.51	1.52	1.50	1.56	1.50	
3390.	7.63	1.70	1.53	1.53	1.52	1.61	1.53	
3417.	7.62	1.99	1.53	1.52	1.50	1.62	1.53	

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	
8714.	8.02	1.51	1.16	1.15	1.14	1.15	.08	1.17	.00	.00	1.18	1.14	END OF
8740.	8.21	1.51	1.17	1.18	1.21	1.19	.00	1.17	.00	.00	1.22	1.17	DISCHARGE
8796.	8.03	1.51	1.16	1.16	1.18	1.16	.00	1.16	.00	.00	1.18	1.12	
8818.	8.02	1.52	1.16	1.17	1.17	1.16	.00	1.16	.00	.00	1.17	1.11	
8859.	8.00	1.52	1.15	1.16	1.17	1.16	.00	1.16	.00	.00	1.15	1.08	
8916.	7.98	1.52	1.15	1.15	1.17	1.16	.00	1.16	.00	.00	1.18	1.10	
8948.	7.95	1.51	1.16	1.16	1.17	1.16	.00	1.16	.00	.00	1.15	1.08	
		.94											
8/14.	11.73	.92	1.48	1.54	1.42	1.44	1.43	1.49	.00	.00	1.43	1.48	END OF
8740.	10.35	.94	1.50	1.52	1.47	1.46	.00	1.50	.00	.00	1.47	1.51	CHARGE
8796.	10.27	.94	1.50	1.52	1.44	1.46	.00	1.50	.00	.00	1.45	1.49	
8818.	10.28	.94	1.50	1.52	1.44	1.46	.00	1.49	.00	.00	1.44	1.50	
8859.	10.33	.94	1.48	1.50	1.42	1.43	.00	1.46	.00	.00	1.40	1.44	
8916.	10.24	.95	1.49	1.52	1.45	1.46	.00	1.48	.00	.00	1.45	1.49	
8948.	10.27	.95	1.50	1.53	1.45	1.46	.00	1.49	.00	.00	1.44	1.49	

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	
4242.	12.38	.89	1.25	1.24	1.22	1.23	1.24	1.25	1.23	1.26	1.22	1.24	END OF DISCHARGE
4291.	12.41	.89	1.29	1.29	1.25	1.28	1.28	1.27	1.27	1.27	1.27	1.28	
4325.	12.39	.90	1.26	1.26	1.23	1.26	1.25	1.25	1.25	1.24	1.25	1.24	
4366.	12.36	.89	1.25	1.26	1.23	1.26	1.25	1.25	1.25	1.24	1.24	1.24	
4407.	12.35	.89	1.25	1.26	1.23	1.25	1.25	1.25	1.24	1.24	1.24	1.24	
4429.	12.35	.83	1.25	1.26	1.23	1.26	1.25	1.25	1.24	1.24	1.24	1.24	
		.21											
4242.	15.58	.10	1.61	1.46	1.50	1.58	1.63	1.60	1.55	1.59	1.52	1.58	END OF CHARGE
4291.	15.38	.11	1.61	1.53	1.52	1.61	1.62	1.56	1.58	1.55	1.57	1.58	
4325.	15.53	.09	1.62	1.49	1.51	1.61	1.62	1.57	1.57	1.53	1.56	1.56	
4366.	15.52	.09	1.62	1.49	1.49	1.61	1.62	1.58	1.57	1.53	1.54	1.57	
4407.	15.55	.10	1.62	1.47	1.49	1.60	1.61	1.58	1.55	1.53	1.52	1.57	
4429.	15.54	.09	1.63	1.48	1.49	1.62	1.63	1.59	1.57	1.53	1.54	1.58	

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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	
2388.	5.63	5.98	1.13	1.12	1.11	1.12	1.13	END OF DISCHARGE
2410.	5.49	5.98	1.11	1.09	1.08	1.10	1.11	
2454.	5.48	5.93	1.10	1.05	1.06	1.09	1.11	
2478.	5.64	5.97	1.14	1.12	1.11	1.13	1.13	
2520.	5.43	5.85	1.14	1.09	1.10	1.10	1.12	
2560.	5.64	5.98	1.17	1.16	1.15	1.15	1.16	
2595.	5.55	5.98	1.13	1.12	1.11	1.12	1.14	
2625.	5.56	6.00	1.13	1.13	1.11	1.13	1.14	
2683.	5.47	6.00	1.12	1.11	1.10	1.11	1.12	
2705.	5.39	6.08	1.10	1.08	1.07	1.10	1.11	
2746.	5.46	6.06	1.12	1.10	1.09	1.10	1.11	
2803.	5.46	5.99	1.12	1.10	1.10	1.11	1.11	
2835.	5.53	6.00	1.14	1.12	1.12	1.12	1.12	
		3.75						
2388.	7.21	3.78	1.43	1.44	1.43	1.44	1.44	END OF CHARGE
2410.	7.15	3.78	1.42	1.50	1.42	1.42	1.48	
2454.	7.16	3.81	1.42	1.49	1.42	1.42	1.47	
2478.	7.22	3.78	1.43	1.44	1.43	1.44	1.44	
2520.	7.05	3.74	1.43	1.44	1.43	1.43	1.44	
2560.	7.13	3.79	1.46	1.47	1.44	1.45	1.47	
2595.	7.14	3.80	1.44	1.45	1.43	1.45	1.45	
2625.	7.16	3.80	1.44	1.45	1.44	1.45	1.45	
2683.	7.17	3.79	1.44	1.46	1.44	1.45	1.45	
2705.	7.16	3.80	1.44	1.46	1.44	1.45	1.45	
2746.	7.23	3.80	1.42	1.44	1.41	1.41	1.41	
2803.	7.13	3.78	1.44	1.45	1.44	1.45	1.45	
2835.	7.16	3.79	1.44	1.46	1.45	1.45	1.45	

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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	
3238.	5.41	9.53	1.08	1.09	1.09	1.06	1.08	END OF
3257.	5.51	9.58	1.11	1.12	1.12	1.08	1.12	DISCHARGE
3298.	5.41	9.54	1.09	1.10	1.11	1.08	1.09	
3322.	5.37	9.58	1.07	1.09	1.09	1.07	1.07	
3425.	5.49	9.56	1.12	1.11	1.11	1.10	1.11	
3457.	5.56	9.51	1.13	1.12	1.13	1.11	1.12	
3505.	5.32	9.53	1.08	1.07	1.08	1.08	1.07	
3539.	5.63	9.54	1.15	1.14	1.14	1.13	1.14	
3569.	5.30	9.60	1.07	1.08	1.09	1.08	1.06	
3605.	5.32	9.57	1.07	1.07	1.09	1.08	1.06	
3632.	5.23	9.54	1.06	1.06	1.07	1.07	1.05	
		6.00						
3238.	7.46	5.84	1.49	1.52	1.48	1.48	1.48	END OF
3257.	7.48	5.12	1.49	1.52	1.49	1.49	1.51	CHARGE
3298.	7.49	6.00	1.49	1.52	1.52	1.47	1.48	
3322.	7.49	6.04	1.50	1.53	1.50	1.49	1.50	
3425.	7.51	5.95	1.51	1.54	1.51	1.50	1.51	
3457.	7.50	5.95	1.51	1.54	1.51	1.50	1.50	
3505.	7.50	5.96	1.51	1.54	1.52	1.50	1.50	
3539.	7.61	5.94	1.49	1.54	1.53	1.50	1.47	
3569.	7.54	6.06	1.48	1.52	1.48	1.46	1.45	
3605.	7.51	6.02	1.50	1.54	1.52	1.51	1.50	
3632.	7.51	6.02	1.51	1.55	1.53	1.52	1.50	

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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	
2953.	4.67	3.59	1.16	1.00	1.17	.00	1.17	END OF
2975.	4.59	3.65	1.14	1.14	1.15	.00	1.15	DISCHARGE
3019.	4.63	3.58	1.14	1.14	1.15	.00	1.15	
3043.	4.68	3.53	1.16	1.17	1.17	.00	1.17	
3085.	4.49	3.50	1.14	1.14	1.15	.00	1.15	
3125.	4.60	3.57	1.18	1.18	1.18	.00	1.19	
3160.	4.60	3.56	1.16	1.16	1.17	.00	1.17	
3199.	4.59	3.54	1.16	1.16	1.17	.00	1.17	
3221.	4.60	3.63	1.16	1.17	1.17	.00	1.17	
3262.	4.62	3.44	1.16	1.17	1.17	.00	1.18	
3319.	4.61	3.46	1.16	1.17	1.18	.00	1.17	
3351.	4.60	3.49	1.16	1.17	1.17	.00	1.17	
		2.88						
2953.	5.62	2.90	1.42	1.41	1.41	.00	1.41	END OF
2975.	5.62	2.90	1.40	1.49	1.39	.00	1.44	CHARGE
3019.	5.62	2.90	1.40	1.49	1.39	.00	1.44	
3043.	5.62	2.91	1.41	1.41	1.41	.00	1.41	
3085.	5.53	2.94	1.41	1.40	1.41	.00	1.40	
3125.	5.60	2.97	1.44	1.44	1.42	.00	1.44	
3160.	5.61	2.91	1.42	1.42	1.41	.00	1.41	
3199.	5.60	2.94	1.42	1.42	1.41	.00	1.41	
3221.	5.60	2.96	1.42	1.42	1.41	.00	1.41	
3262.	5.72	2.83	1.40	1.40	1.38	.00	1.37	
3319.	5.60	2.90	1.42	1.42	1.42	.00	1.41	
3351.	5.61	2.94	1.42	1.42	1.42	.00	1.42	

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	
3209.	4.60	5.93	1.16	1.16	1.16	.00	1.16	END OF
3233.	4.55	5.89	1.14	1.15	1.15	.00	1.15	DISCHARGE
3317.	3.88	5.17	1.33	1.34	.09	.00	1.36	
3340.	4.14	5.87	1.39	1.39	.00	.00	1.39	
3414.	3.40	5.87	1.14	1.15	.00	.00	1.15	
3420.	3.39	5.78	1.13	1.15	.00	.00	1.15	
3452.	3.37	5.81	1.13	1.14	.00	.00	1.14	
3498.	3.32	5.86	1.11	1.13	.00	.00	1.12	
3518.	3.34	5.89	1.11	1.14	.00	.00	1.13	
		4.80						
3209.	5.82	4.77	1.44	1.45	1.50	.00	1.44	END OF
3233.	5.80	4.80	1.46	1.46	1.46	.00	1.47	CHARGE
3317.	4.64	4.96	1.45	1.46	.27	.00	1.47	
3340.	4.30	4.62	1.44	1.45	.00	.00	1.45	
3414.	4.33	4.22	1.45	1.47	.00	.00	1.47	
3420.	4.34	4.36	1.44	1.46	.00	.00	1.44	
3452.	4.31	4.32	1.43	1.44	.00	.00	1.42	
3498.	4.32	4.27	1.43	1.45	.00	.00	1.42	
3518.	4.35	4.20	1.45	1.47	.00	.00	1.45	

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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	
1993.	6.12	3.01	1.22	1.22	1.22	1.22	1.22	END OF DISCHARGE
2053.	6.14	3.00	1.22	1.21	1.21	1.22	1.21	
2077.	6.13	3.00	1.22	1.22	1.21	1.21	1.21	
2147.	6.01	2.98	1.24	1.24	1.23	1.23	1.24	
2226.	6.03	3.00	1.22	1.22	1.22	1.22	1.22	
2306.	6.01	3.04	1.22	1.22	1.21	1.22	1.21	
2370.	6.01	3.03	1.22	1.22	1.22	1.22	1.21	
2433.	6.01	3.02	1.22	1.22	1.22	1.22	1.22	
3043.	6.12	3.00	1.22	1.22	1.22	1.22	1.22	
		1.73						
1993.	7.70	1.16	1.52	1.52	1.51	1.56	1.55	END OF CHARGE
2053.	7.62	1.13	1.51	1.58	1.50	1.55	1.59	
2077.	7.73	1.13	1.53	1.52	1.51	1.56	1.56	
2147.	7.61	1.10	1.55	1.55	1.52	1.58	1.59	
2226.	7.63	1.09	1.53	1.53	1.52	1.57	1.57	
2306.	7.62	1.12	1.53	1.53	1.51	1.57	1.56	
2370.	7.72	1.17	1.51	1.51	1.49	1.54	1.53	
2433.	7.60	1.29	1.53	1.52	1.51	1.56	1.56	
3043.	7.71	1.13	1.53	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	
2000.	5.71	4.70	1.14	1.15	1.15	1.12	1.13	END OF
2026.	5.85	4.73	1.16	1.14	1.17	1.15	1.16	DISCHARGE
2066.	5.67	4.70	1.13	1.12	1.14	1.11	1.12	
2128.	5.35	4.73	1.08	1.08	1.11	1.08	1.09	
2176.	5.50	4.71	1.12	1.12	1.14	1.11	1.13	
2214.	5.39	4.72	1.08	1.09	1.11	1.08	1.10	
2241.	5.59	4.71	1.13	1.13	1.15	1.13	1.13	
2295.	5.60	4.73	1.14	1.13	1.14	1.13	1.13	
2321.	5.46	4.70	1.12	1.10	1.12	1.10	1.10	
2358.	5.52	4.74	1.12	1.12	1.12	1.12	1.11	
2405.	5.30	4.68	1.07	1.08	1.09	1.07	1.08	
2449.	5.25	4.64	1.06	1.08	1.08	1.05	1.06	
		3.00						
2000.	7.44	3.00	1.47	1.49	1.47	1.49	1.49	END OF
2026.	7.33	3.00	1.46	1.53	1.45	1.47	1.52	CHARGE
2066.	7.36	3.00	1.46	1.55	1.45	1.47	1.53	
2128.	7.21	2.98	1.46	1.47	1.46	1.48	1.47	
2176.	7.34	2.97	1.49	1.51	1.48	1.49	1.50	
2214.	7.33	2.99	1.48	1.49	1.47	1.49	1.49	
2241.	7.38	2.97	1.49	1.50	1.49	1.51	1.50	
2295.	7.37	3.00	1.48	1.50	1.48	1.50	1.50	
2321.	7.38	3.00	1.49	1.50	1.48	1.51	1.50	
2358.	7.46	3.01	1.45	1.47	1.44	1.45	1.45	
2405.	7.32	2.32	1.45	1.46	1.44	1.46	1.45	
2449.	7.34	2.30	1.48	1.50	1.48	1.50	1.49	

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	
1989.	5.81	2.96	1.15	1.16	1.16	1.15	1.16	END OF DISCHARGE
2011.	5.72	2.95	1.12	1.14	1.14	1.13	1.14	
2055.	5.81	2.99	1.13	1.12	1.15	1.15	1.16	
2079.	5.79	2.99	1.13	1.16	1.15	1.15	1.15	
2161.	5.58	2.96	1.14	1.16	1.14	1.15	1.16	
2198.	5.64	2.98	1.13	1.15	1.14	1.15	1.15	
2228.	5.64	2.96	1.13	1.15	1.14	1.15	1.15	
2258.	5.56	2.95	1.11	1.13	1.12	1.13	1.14	
2340.	5.60	3.02	1.12	1.14	1.12	1.13	1.14	
2386.	5.57	2.96	1.11	1.14	1.12	1.13	1.13	
2406.	5.61	2.97	1.12	1.14	1.14	1.14	1.14	
2436.	5.60	2.95	1.12	1.14	1.13	1.14	1.14	
		2.40						
1989.	7.14	2.32	1.43	1.43	1.42	1.42	1.42	END OF CHARGE
2011.	7.15	2.29	1.43	1.43	1.42	1.43	1.43	
2055.	7.07	2.22	1.41	1.48	1.40	1.41	1.45	
2079.	7.15	2.23	1.43	1.43	1.42	1.43	1.42	
2161.	7.04	1.99	1.45	1.45	1.43	1.44	1.45	
2198.	7.06	1.95	1.43	1.43	1.42	1.43	1.43	
2228.	7.06	1.99	1.43	1.43	1.42	1.43	1.43	
2258.	7.07	2.00	1.43	1.43	1.42	1.43	1.43	
2340.	7.16	2.14	1.41	1.42	1.39	1.40	1.39	
2386.	7.21	1.99	1.41	1.42	1.40	1.40	1.39	
2406.	7.07	1.95	1.43	1.43	1.43	1.43	1.43	
2436.	7.07	2.08	1.43	1.44	1.43	1.43	1.43	

PACK NO. 243
SONOTONE 3 A.H.

DEPTH OF DISCHARGE 15
PERCENT OF RECHARGE

TEST TEMPERATURE 0 C
ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT .90	CELL VOLTAGES 1	2	3	4	5	
105.	6.19	.91	1.23	1.24	1.23	1.23	1.23	END OF DISCHARGE
131.	6.23	.91	1.23	1.23	1.23	1.24	1.24	
171.	6.19	.91	1.22	1.23	1.22	1.23	1.23	
233.	6.02	.92	1.22	1.23	1.23	1.23	1.22	
281.	6.05	.90	1.24	1.25	1.23	1.23	1.24	
319.	6.08	.91	1.23	1.23	1.22	1.24	1.23	
346.	6.08	.91	1.23	1.24	1.23	1.24	1.23	
400.	6.07	.91	1.23	1.23	1.22	1.23	1.23	
426.	6.05	.90	1.22	1.23	1.22	1.23	1.23	
463.	6.04	.90	1.22	1.23	1.21	1.22	1.22	
510.	5.95	.91	1.20	1.21	1.20	1.20	1.21	
554.	5.99	.91	1.22	1.22	1.21	1.20	1.22	
		.52						
105.	7.82	.32	1.50	1.53	1.54	1.57	1.67	END OF CHARGE
131.	7.73	.32	1.49	1.58	1.52	1.55	1.70	
171.	7.72	.31	1.49	1.60	1.51	1.54	1.71	
233.	7.64	.31	1.50	1.53	1.54	1.56	1.66	
281.	7.66	.28	1.52	1.55	1.53	1.55	1.68	
319.	7.70	.29	1.50	1.53	1.53	1.55	1.67	
346.	7.69	.29	1.50	1.53	1.53	1.56	1.66	
400.	7.68	.29	1.50	1.53	1.53	1.55	1.67	
426.	7.65	.27	1.50	1.52	1.52	1.55	1.66	
463.	7.71	.27	1.46	1.49	1.48	1.49	1.62	
510.	7.70	.26	1.46	1.49	1.49	1.51	1.65	
554.	7.56	.26	1.49	1.52	1.51	1.47	1.67	

PACK NO. 231
SONOTONE 3 A.H.

DEPTH OF DISCHARGE 25
PERCENT OF RECHARGE

TEST TEMPERATURE 0 C
ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	
105.	5.93	1.49	1.19	1.18	1.18	1.18	1.16	END OF DISCHARGE
131.	5.98	1.49	1.19	1.17	1.19	1.18	1.17	
171.	5.95	1.49	1.18	1.18	1.18	1.18	1.16	
233.	5.75	1.52	1.18	1.17	1.18	1.18	1.15	
281.	5.81	1.49	1.21	1.20	1.19	1.19	1.18	
319.	5.82	1.52	1.18	1.18	1.18	1.18	1.17	
346.	5.84	1.49	1.19	1.19	1.18	1.19	1.17	
400.	5.83	1.50	1.19	1.19	1.18	1.18	1.16	
426.	5.81	1.47	1.18	1.18	1.17	1.18	1.16	
463.	5.81	1.49	1.18	1.18	1.17	1.18	1.16	
510.	5.76	1.49	1.17	1.17	1.17	1.17	1.15	
554.	5.80	1.47	1.18	1.19	1.17	1.18	1.16	
		.86						
105.	7.63	.52	1.52	1.53	1.52	1.52	1.53	END OF CHARGE
131.	7.83	.60	1.57	1.62	1.57	1.56	1.61	
171.	7.76	.57	1.56	1.62	1.55	1.55	1.59	
233.	7.69	.59	1.57	1.56	1.58	1.57	1.55	
281.	7.72	.54	1.59	1.59	1.58	1.57	1.57	
319.	7.76	.56	1.57	1.57	1.57	1.57	1.57	
346.	7.75	.55	1.58	1.57	1.57	1.57	1.56	
400.	7.73	.53	1.57	1.57	1.57	1.56	1.56	
426.	7.69	.48	1.56	1.56	1.56	1.56	1.55	
463.	7.83	.51	1.54	1.54	1.53	1.52	1.51	
510.	7.79	.45	1.55	1.54	1.55	1.54	1.54	
554.	7.69	.47	1.56	1.56	1.56	1.56	1.55	

PACK NO. 203 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
SONOTONE 3 A.H. PERCENT OF RECHARGE ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	
85.	5.98	1.52	1.20	1.20	1.19	1.18	1.19	END OF DISCHARGE
107.	5.96	1.50	1.20	1.19	1.18	1.18	1.18	
151.	5.95	1.50	1.19	1.18	1.17	1.17	1.18	
175.	5.94	1.50	1.19	1.19	1.17	1.18	1.18	
217.	5.76	1.52	1.19	1.17	1.17	1.17	1.16	
257.	5.83	1.51	1.21	1.20	1.18	1.18	1.19	
292.	5.83	1.51	1.19	1.18	1.17	1.17	1.18	
324.	5.84	1.51	1.19	1.18	1.17	1.18	1.18	
380.	5.81	1.51	1.19	1.18	1.17	1.17	1.17	
402.	5.79	1.51	1.19	1.17	1.16	1.17	1.17	
443.	5.77	1.52	1.18	1.17	1.15	1.16	1.16	
500.	5.76	1.51	1.18	1.16	1.16	1.17	1.16	
532.	5.77	1.51	1.19	1.17	1.16	1.17	1.17	
		.94						
85.	7.19	.95	1.44	1.43	1.43	1.44	1.43	END OF CHARGE
107.	7.13	.94	1.43	1.50	1.41	1.42	1.47	
151.	7.13	.94	1.43	1.50	1.41	1.42	1.46	
175.	7.19	.95	1.44	1.43	1.43	1.44	1.43	
217.	7.04	.95	1.44	1.43	1.43	1.44	1.42	
257.	7.11	.96	1.46	1.46	1.43	1.44	1.45	
292.	7.12	.95	1.45	1.44	1.43	1.45	1.44	
324.	7.14	.95	1.45	1.44	1.44	1.45	1.44	
380.	7.14	.96	1.45	1.44	1.44	1.45	1.44	
402.	7.13	.96	1.45	1.45	1.44	1.45	1.44	
443.	7.20	.95	1.43	1.42	1.40	1.41	1.40	
500.	7.10	.96	1.44	1.44	1.44	1.44	1.43	
532.	7.12	.96	1.45	1.44	1.44	1.45	1.44	

PACK NO. 202 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C
SONOTONE 3 A.H. PERCENT OF RECHARGE ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 2.40	CELL VOLTAGES 1	2	3	4	5	
13.	5.83	2.40	1.20	1.20	1.18	1.19	1.18	END OF DISCHARGE
50.	5.78	2.40	1.17	1.17	1.16	1.18	1.16	
80.	5.76	2.39	1.17	1.16	1.16	1.18	1.16	
110.	5.72	2.39	1.16	1.16	1.15	1.17	1.15	
160.	5.67	2.39	1.15	1.15	1.14	1.17	1.14	
192.	5.65	2.39	1.14	1.15	1.12	1.16	1.13	
238.	5.49	2.38	1.12	1.12	1.08	1.15	1.09	
258.	5.49	2.38	1.12	1.11	1.08	1.16	1.09	
288.	5.42	2.37	1.11	1.09	1.06	1.16	1.08	
		1.50						
13.	7.20	1.57	1.46	1.47	1.44	1.49	1.46	END OF CHARGE
50.	7.20	1.55	1.45	1.45	1.44	1.49	1.45	
80.	7.20	1.53	1.45	1.46	1.44	1.48	1.46	
110.	7.21	1.53	1.45	1.46	1.45	1.48	1.46	
160.	7.25	1.52	1.44	1.45	1.42	1.45	1.43	
192.	7.26	1.51	1.43	1.44	1.41	1.43	1.41	
238.	7.26	1.51	1.43	1.44	1.42	1.42	1.41	
258.	7.16	1.52	1.45	1.45	1.45	1.46	1.45	
288.	7.18	1.52	1.45	1.46	1.45	1.46	1.45	

PACK NO. 226 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
SONOTONE 3 A.H. PERCENT OF RECHARGE ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 0.90	CELL VOLTAGES 1	2	3	4	5	
13.	6.04	.91	1.26	1.25	1.23	1.23	1.23	END OF DISCHARGE
50.	6.00	.91	1.23	1.22	1.21	1.21	1.21	
80.	5.99	.90	1.22	1.22	1.21	1.21	1.20	
110.	5.96	.90	1.22	1.21	1.20	1.20	1.20	
160.	5.93	.92	1.21	1.20	1.20	1.19	1.19	
192.	5.92	.93	1.21	1.20	1.19	1.18	1.18	
238.	5.90	.90	1.21	1.20	1.19	1.18	1.18	
258.	5.90	.91	1.21	1.20	1.20	1.18	1.19	
288.	5.90	.90	1.22	1.20	1.20	1.18	1.19	
		.72						
13.	6.87	.73	1.42	1.41	1.40	1.40	1.40	END OF CHARGE
50.	6.90	.73	1.41	1.40	1.40	1.40	1.39	
80.	6.91	.72	1.41	1.39	1.40	1.40	1.39	
110.	6.91	.72	1.41	1.40	1.40	1.40	1.39	
160.	6.96	.73	1.40	1.38	1.38	1.38	1.37	
192.	7.02	.72	1.39	1.38	1.37	1.37	1.35	
238.	7.01	.72	1.39	1.38	1.38	1.37	1.36	
258.	6.92	.73	1.41	1.40	1.41	1.40	1.39	
288.	6.92	.73	1.41	1.40	1.40	1.41	1.39	

PACK NO. 237 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
SONOTONE 3 A.H. PERCENT OF RECHARGE ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.50	CELL VOLTAGES 1	2	3	4	5	
76.	5.80	1.50	1.18	1.18	1.18	1.18	1.16	END OF DISCHARGE
108.	5.78	1.50	1.17	1.18	1.17	1.17	1.15	
156.	5.72	1.50	1.16	1.17	1.16	1.16	1.14	
190.	5.74	1.51	1.16	1.18	1.16	1.17	1.14	
220.	5.65	1.52	1.14	1.16	1.14	1.14	1.11	
256.	5.65	1.52	1.15	1.16	1.15	1.15	1.12	
283.	5.61	1.51	1.14	1.16	1.14	1.14	1.11	
		1.20						
76.	6.96	1.22	1.41	1.41	1.41	1.41	1.40	END OF CHARGE
108.	6.97	1.22	1.41	1.41	1.41	1.42	1.40	
156.	6.98	1.22	1.41	1.42	1.41	1.42	1.41	
190.	7.09	1.23	1.39	1.40	1.38	1.39	1.37	
220.	7.09	1.23	1.39	1.40	1.39	1.38	1.38	
256.	7.00	1.22	1.41	1.41	1.43	1.42	1.41	
283.	7.02	1.22	1.42	1.42	1.42	1.42	1.42	

PACK NO. 59 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 0 C
GULTON 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	
1165.	5.94	2.98	.146	.083	.109	.103	.082	1.23	1.23	1.24	1.23	1.23	1.524	END OF
1232.	5.90	2.99	.142	.091	.101	.099	.092	1.22	1.23	1.24	1.22	1.22	1.513	DISCHARGE
1300.	5.90	2.96	.105	.068	.078	.077	.063	1.18	1.19	1.19	1.20	1.20	1.500	
1377.	5.99	2.99	.145	.081	.108	.107	.077	1.22	1.22	1.22	1.22	1.22	1.509	
1460.	5.96	2.98	.152	.084	.109	.111	.079	1.21	1.21	1.21	1.21	1.21	1.504	
1528.	5.96	2.99	.153	.084	.098	.114	.076	1.21	1.21	1.21	1.21	1.21	1.508	
1580.	5.94	2.94	.159	.092	.109	.124	.084	1.21	1.21	1.21	1.21	1.21	1.498	
1165.	7.33	.11	.125	.075	.162	.167	.108	1.51	1.50	1.52	1.51	1.51		TRIP
1232.	7.37	.11	.133	.002	.176	.179	.126	1.52	1.52	1.51	1.53	1.54		POINT
1300.	7.67	1.46	.086	.072	.115	.131	.093	1.52	1.53	1.59	1.56	1.57		
1377.	7.79	1.72	.120	.079	.153	.157	.105	1.56	1.56	1.62	1.58	1.58		
1460.	7.76	1.45	.120	.081	.152	.156	.105	1.56	1.56	1.61	1.58	1.57		
1528.	7.65	.80	.134	.090	.155	.181	.131	1.56	1.55	1.59	1.58	1.58		
1580.	7.82	1.65	.120	.086	.145	.154	.109	1.57	1.57	1.62	1.59	1.58		
1165.	7.27	.71	.150	.094	.161	.146	.112	1.50	1.49	1.51	1.50	1.50	AH IN 1.682	END OF
1232.	7.20	.40	.159	.026	.171	.157	.086	1.49	1.48	1.48	1.49	1.50	1.660	CHARGE
1300.	7.27	.36	.108	.079	.131	.121	.093	1.45	1.46	1.48	1.48	1.49	1.677	
1377.	7.36	.59	.143	.095	.159	.148	.105	1.49	1.49	1.51	1.50	1.50	1.681	
1460.	7.38	.77	.154	.097	.161	.152	.109	1.49	1.49	1.51	1.50	1.50	1.667	
1528.	7.17	.28	.166	.106	.001	.184	.136	1.47	1.46	1.48	1.49	1.49	1.654	
1580.	7.15	.06	.140	.090	.155	.164	.109	1.45	1.44	1.45	1.45	1.45	1.660	

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PACK NO. 71 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 0 C
GULTON 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	
1082.	5.83	4.77	.128	.089	.075	.114	.072	1.22	1.21	1.21	1.20	1.21	2.396	END OF
1149.	5.77	4.78	.117	.097	.067	.100	.080	1.20	1.20	1.21	1.19	1.19	2.405	DISCHARGE
1218.	5.78	4.68	.080	.084	.043	.079	.059	1.16	1.17	1.17	1.17	1.18	2.375	
1298.	5.89	4.70	.114	.101	.075	.094	.074	1.20	1.20	1.20	1.20	1.19	2.366	
1377.	5.83	4.72	.116	.099	.075	.086	.077	1.19	1.19	1.18	1.18	1.18	2.374	
1450.	5.84	4.79	.110	.102	.070	.079	.072	1.19	1.19	1.18	1.18	1.18	2.412	
1497.	5.84	4.75	.103	.095	.071	.071	.099	1.20	1.19	1.19	1.18	1.18	2.397	
1082.	7.96	2.54	.114	.121	.107	.159	.137	1.60	1.60	1.62	1.68	1.70		TRIP
1149.	8.08	2.90	.114	.057	.120	.170	.155	1.63	1.63	1.63	1.72	1.72		POINT
1218.	7.97	3.36	.061	.115	.067	.129	.127	1.55	1.57	1.60	1.66	1.69		
1298.	8.06	2.93	.110	.145	.106	.132	.131	1.60	1.60	1.62	1.66	1.69		
1377.	8.14	2.94	.108	.145	.110	.137	.139	1.61	1.61	1.63	1.69	1.71		
1450.	8.08	2.17	.112	.158	.120	.177	.176	1.60	1.59	1.61	1.74	1.75		
1497.	8.09	2.64	.094	.133	.091	.151	.131	1.59	1.59	1.60	1.74	1.67		
1082.	7.40	.23	.148	.116	.111	.161	.143	1.48	1.48	1.48	1.54	1.66	AH IN 2.580	END OF
1149.	7.46	.22	.149	.044	.126	.174	.166	1.49	1.49	1.47	1.57	1.68	2.597	CHARGE
1218.	7.30	.26	.097	.115	.084	.132	.133	1.41	1.43	1.43	1.50	1.61	2.577	
1298.	7.52	.28	.141	.139	.117	.155	.142	1.47	1.47	1.47	1.56	1.67	2.583	
1377.	7.56	.27	.139	.134	.119	.156	.151	1.47	1.47	1.47	1.58	1.67	2.587	
1450.	7.51	.21	.145	.150	.137	.166	.184	1.50	1.48	1.49	1.58	1.70	2.606	
1497.	7.39	.20	.124	.123	.101	.112	.154	1.47	1.46	1.46	1.49	1.61	2.577	

PACK NO. 11 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C
GULTON 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	
2118.	5.55	4.76	.292	.245	.183	.178	.234	1.16	1.16	1.16	1.15	1.15	2.369	END OF
2179.	5.37	4.75	.274	.245	.169	.163	.236	1.11	1.11	1.13	1.11	1.11	2.363	DISCHARGE
2247.	5.37	4.78	.232	.207	.130	.131	.196	1.07	1.08	1.08	1.09	1.10	2.370	
2325.	5.42	4.75	.266	.214	.155	.154	.205	1.11	1.09	1.09	1.11	1.11	2.373	
2407.	5.30	4.69	.255	.205	.144	.145	.204	1.09	1.06	1.06	1.09	1.09	2.383	
2474.	5.53	4.69	.268	.216	.143	.133	.179	1.12	1.12	1.12	1.12	1.13	2.337	
2527.	5.44	4.76	.266	.236	.163	.151	.204	1.10	1.11	1.11	1.11	1.10	2.374	
2118.	7.17	1.97	.324	.268	.190	.181	.259	1.48	1.48	1.49	1.48	1.49		TRIP
2179.	7.32	3.66	.328	.196	.199	.193	.270	1.50	1.51	1.51	1.51	1.52		POINT
2247.	7.14	2.52	.276	.249	.150	.145	.230	1.42	1.44	1.45	1.45	1.46		
2325.	7.30	3.64	.310	.254	.173	.167	.239	1.47	1.48	1.49	1.48	1.49		
2407.	7.30	2.48	.310	.267	.181	.168	.249	1.46	1.48	1.50	1.47	1.48		
2474.	7.13	2.40	.319	.274	.188	.185	.257	1.45	1.46	1.46	1.47	1.48		
2527.	7.24	3.48	.305	.260	.169	.164	.236	1.45	1.47	1.48	1.46	1.47		
													AH IN	
2118.	6.85	.08	.348	.309	.216	.200	.284	1.42	1.42	1.42	1.41	1.42	2.641	END OF
2179.	6.89	.05	.359	.231	.233	.215	.299	1.43	1.43	1.40	1.43	1.43	2.647	CHARGE
2247.	6.79	.07	.304	.288	.177	.162	.255	1.36	1.37	1.38	1.37	1.39	2.653	
2325.	6.87	.07	.339	.299	.199	.189	.268	1.39	1.39	1.40	1.39	1.40	2.639	
2407.	6.88	.06	.335	.299	.204	.186	.268	1.40	1.39	1.40	1.39	1.40	2.672	
2474.	6.81	.07	.342	.303	.210	.201	.280	1.40	1.40	1.40	1.41	1.42	2.365	
2527.	6.85	.07	.331	.303	.199	.185	.266	1.39	1.39	1.39	1.39	1.39	2.625	

PACK NO. 23 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 25 C
GULTON 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	
2116.	5.74	3.04	.178	.192	.204	.251	.260	1.19	1.20	1.19	1.19	1.19	1.469	END OF
2180.	5.67	3.04	.172	.192	.194	.242	.264	1.19	1.19	1.18	1.17	1.17	1.479	DISCHARGE
2248.	5.64	3.05	.127	.167	.159	.207	.227	1.13	1.14	1.14	1.15	1.15	1.478	
2326.	5.59	3.08	.161	.173	.188	.229	.236	1.14	1.14	1.13	1.14	1.13	1.538	
2408.	5.69	3.14	.164	.175	.190	.227	.238	1.16	1.16	1.15	1.16	1.16	1.556	
2475.	5.63	3.11	.159	.170	.175	.216	.226	1.15	1.14	1.14	1.14	1.14	1.567	
2529.	5.74	3.09	.161	.176	.183	.222	.235	1.17	1.17	1.16	1.17	1.16	1.533	
2116.	7.12	1.14	.230	.225	.251	.279	.309	1.47	1.47	1.47	1.46	1.48		TRIP
2180.	7.21	1.76	.239	.155	.261	.290	.324	1.50	1.49	1.47	1.49	1.51		POINT
2248.	7.09	1.55	.186	.211	.212	.241	.285	1.42	1.43	1.43	1.43	1.45		
2326.	7.15	1.18	.226	.224	.247	.267	.299	1.45	1.45	1.45	1.45	1.46		
2408.	7.24	1.83	.222	.222	.249	.265	.299	1.47	1.47	1.47	1.46	1.47		
2475.	7.03	.23	.242	.240	.267	.294	.329	1.45	1.44	1.45	1.46	1.46		
2529.	7.19	1.75	.221	.221	.239	.261	.297	1.46	1.46	1.45	1.45	1.46		
2116.	6.80	.00	.244	.246	.273	.315	.334	1.41	1.41	1.41	1.40	1.41	AH IN 1.768	END OF
2180.	6.85	.02	.256	.167	.285	.328	.349	1.42	1.42	1.39	1.42	1.43	1.782	CHARGE
2248.	6.74	.00	.195	.229	.232	.276	.307	1.35	1.36	1.37	1.37	1.38	1.782	
2326.	6.85	.01	.237	.241	.268	.299	.319	1.39	1.39	1.39	1.39	1.39	1.862	
2408.	6.85	.01	.234	.239	.264	.295	.318	1.39	1.39	1.39	1.39	1.39	1.868	
2475.	6.84	.04	.249	.254	.281	.324	.348	1.41	1.40	1.41	1.42	1.43	1.868	
2529.	6.83	.01	.233	.238	.257	.293	.315	1.38	1.38	1.39	1.39	1.39	1.798	

PACK NO. 35 DEPTH OF DISCHARGE 15 TEST TEMPERATURE 40 C
GULTON 6 A.H. 3RD ELECTRODE R 47 47 47 47 47 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 1.80	3RD ELECT VOLTAGES 1	2	3	4	5	CELL VOLTAGES 1	2	3	4	5	AH OUT	
													AH OUT	
52.	6.05	1.85	.271	.277	.202	.150	.148	1.25	1.25	1.25	1.26	1.26	.909	END OF
120.	5.94	1.87	.239	.246	.172	.144	.206	1.23	1.23	1.24	1.23	1.23	.908	DISCHARGE
188.	5.89	1.86	.180	.209	.131	.126	.190	1.18	1.18	1.19	1.20	1.21	.905	
267.	5.93	1.86	.204	.203	.162	.160	.226	1.20	1.20	1.20	1.22	1.21	.906	
299.	5.95	1.89	.195	.209	.150	.144	.205	1.20	1.20	1.20	1.22	1.22	.921	
367.	5.93	1.83	.197	.200	.143	.175	.276	1.20	1.19	1.19	1.21	1.22	.917	
420.	5.83	1.84	.182	.184	.135	.186	.283	1.18	1.17	1.17	1.20	1.20	.893	
52.	6.80	.31	.316	.310	.284	.270	.165	1.40	1.40	1.40	1.41	1.41		TRIP
120.	6.82	.12	.330	.228	.295	.291	.224	1.41	1.41	1.38	1.42	1.43		POINT
188.	6.80	.69	.269	.288	.232	.225	.190	1.36	1.37	1.37	1.39	1.40		
267.	6.80	.08	.326	.321	.293	.277	.231	1.37	1.37	1.38	1.38	1.39		
299.	6.82	.21	.300	.299	.258	.277	.214	1.38	1.37	1.38	1.39	1.39		
367.	6.89	.69	.312	.310	.263	.311	.269	1.42	1.41	1.41	1.43	1.44		
420.	6.84	.22	.299	.300	.246	.339	.249	1.38	1.38	1.38	1.39	1.40		
													AH IN	
52.	6.66	.05	.367	.372	.324	.297	.214	1.37	1.37	1.38	1.38	1.38	1.126	END OF
120.	6.70	.06	.371	.302	.329	.311	.284	1.39	1.38	1.37	1.39	1.40	1.164	CHARGE
188.	6.61	.06	.314	.349	.274	.272	.245	1.32	1.33	1.34	1.35	1.36	1.185	
267.	6.71	.06	.350	.357	.310	.309	.268	1.36	1.36	1.36	1.37	1.37	1.211	
299.	6.66	.05	.336	.355	.283	.298	.302	1.35	1.35	1.35	1.36	1.36	1.181	
367.	6.70	.07	.354	.370	.305	.447	.386	1.38	1.37	1.38	1.39	1.40	1.238	
420.	6.70	.06	.343	.356	.281	.435	.367	1.35	1.35	1.35	1.36	1.36	1.234	

PACK NO. 47 DEPTH OF DISCHARGE 25 TEST TEMPERATURE 40 C
GULTON 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	
678.	5.35	2.91	.172	.258	.309	.170	.178	1.11	1.11	1.12	1.11	1.11	1.527	END OF
738.	5.05	2.79	.149	.241	.281	.148	.156	1.03	1.05	1.07	1.05	1.05	1.523	DISCHARGE
807.	5.16	2.86	.109	.223	.253	.121	.127	1.02	1.04	1.05	1.05	1.05	1.523	
884.	5.07	2.78	.145	.219	.259	.130	.126	1.02	1.02	1.05	1.04	1.02	1.502	
966.	5.43	2.96	.153	.249	.199	.135	.141	1.11	1.10	1.11	1.10	1.09	1.488	
1034.	5.58	2.94	.223	.186	.328	.209	.207	1.13	1.13	1.14	1.14	1.14	1.512	
1086.	5.62	2.93	.205	.176	.334	.207	.205	1.14	1.14	1.14	1.15	1.14	1.495	
678.	6.90	1.22	.199	.306	.236	.205	.230	1.43	1.43	1.43	1.43	1.43		TRIP
738.	6.93	.86	.201	.241	.252	.216	.229	1.44	1.44	1.41	1.43	1.44		POINT
807.	6.84	.88	.145	.291	.193	.163	.184	1.37	1.38	1.38	1.39	1.40		
884.	6.97	1.45	.177	.295	.215	.175	.188	1.41	1.42	1.41	1.42	1.42		
966.	6.99	1.66	.173	.294	.204	.165	.179	1.41	1.42	1.42	1.42	1.42		
1034.	6.90	.09	.232	.256	.398	.267	.278	1.43	1.42	1.42	1.43	1.44		
1086.	6.90	.07	.216	.230	.353	.233	.242	1.40	1.40	1.40	1.40	1.40		
													AH IN	
678.	6.68	.05	.224	.365	.292	.243	.268	1.39	1.39	1.39	1.38	1.38	1.805	END OF
738.	6.74	.06	.222	.284	.303	.254	.262	1.40	1.40	1.37	1.40	1.40	1.797	CHARGE
807.	6.65	.04	.163	.335	.236	.196	.212	1.33	1.35	1.35	1.35	1.36	1.777	
884.	6.74	.05	.196	.341	.253	.210	.217	1.37	1.37	1.37	1.37	1.37	1.735	
966.	6.75	.05	.189	.339	.242	.199	.207	1.37	1.37	1.37	1.37	1.37	1.736	
1034.	6.78	.06	.263	.290	.456	.316	.313	1.40	1.40	1.39	1.41	1.41	1.891	
1086.	6.77	.04	.245	.264	.429	.286	.281	1.38	1.38	1.37	1.37	1.37	1.887	

PACK NO. 12 DEPTH OF DISCHARGE 40 TEST TEMPERATURE 25 C

G. E. 6 A.H. 3RD ELECTRODE R 10 10 10 10 10 ORBIT PERIOD 90 MIN.

CYCLE NO.	PACK VOLTAGE	CURRENT 6.00	3RD ELECT VOLTAGES 1	2	3	4	5	CELL VOLTAGES 1	2	3	4	5	AH OUT	
27.	6.03	6.00	.058	.081	.140	.277	.109	1.23	1.22	1.22	1.22	1.22	2.971	END OF
115.	5.95	5.92	.180	.256	.257	.433	.213	1.21	1.21	1.21	1.20	1.21	2.932	DISCHARGE
27.	7.06	1.88	.386	.423	.292	.280	.478	1.44	1.43	1.43	1.42	1.44		TRI
115.	7.04	1.40	.430	.482	.343	.380	.465	1.44	1.42	1.42	1.41	1.44		POI
27.	6.98	1.38	.550	.573	.492	.595	.520	1.42	1.41	1.41	1.41	1.42	AH IN 4.093	END OF
115.	6.93	1.42	.630	.686	.568	.676	.521	1.41	1.40	1.40	1.40	1.42	3.828	CHARGE

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