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Beach Changes at Westhampton Beach, New York, 1962-73

by

Allan E. DeWall

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AUGUST 1979

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Repetitive surveys of the above MSL beach were made along 20 profile lines at Westhampton Beach, on the south shore of Long Island, New York, from 1962 to 1973. After the study had begun, a large groin field (15 groins) with associated beach fill was constructed in the middle of the area being surveyed. The data show that shoreline erosion of 2 to 3 meters (6.6 to 9.8 feet) per year within and updrift of the groin field was reversed after groin construction; shoreline erosion downdrift (west) of the groin field accelerated to at least

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28 meters (96 feet) per year. Profile lines updrift (east) of the groin field accreted at a rate of 1.10 meters (3.6 feet) per year as measured at the MSL shoreline and showed an increase of 3.68 cubic meters per meter (1.47 cubic yards per foot) per year in sand stored on the beach above MSL. The shoreline within the groin field accreted at a rate of 3.45 meters (11.3 feet) per year and the beach unit volume increased at a rate of 11.92 cubic meters per meter (4.75 cubic yards per foot) per year, including beach fill. Downdrift of the groin field the profiles showed an average MSL shoreline gain of 0.66 meters (2.2 feet) per year and an average unit volume loss of 0.12 cubic meter per meter (0.05 cubic yard per foot) per year. The largest changes measured resulted from the storm of 22 March 1973, which eroded the shoreline an average of 20 meters (65.6 feet) and removed an average of 29 cubic meters per meter (11.6 cubic yards per foot) of beach front above the MSL elevation. Beach changes were found to be seasonal, with the least amount of sand above MSL from January to May. The data taken provide no information on profile changes below MSL, either natural changes or changes caused by the groin field. However, bathymetric survey data collected within the groin field by the U.S. Army Engineer District, New York, and summarized in this report show that underwater changes are larger than changes on the beach and occasionally are opposite in sign.

PREFACE

This report is published to provide coastal engineers with a description of beach changes at Westhampton Beach, New York. The 11-year study was begun shortly after the catastrophic storm of 5 to 9 March 1962 and was designed to measure the response of a relatively unstructured beach to seasonal changes as well as storm events. However, 3 years after the surveys were begun, a field of 15 groins requiring 5 years to complete was constructed. Some of the effects of this groin field and associated beach fill are included in this report. The work was carried out under the coastal processes program of the U.S. Army Coastal Engineering Research Center (CERC).

The report was prepared by Allan E. DeWall, Geologist, under the supervision of Dr. C. Galvin, formerly Chief, Coastal Processes Branch, Research Division.

Data collection was accomplished by the Survey Branch, U.S. Army Engineer District, New York, under the direction of W. Muszak, as part of the CERC Beach Evaluation Program (BEP) under the successive supervision of J. Caldwell, J. Darling, C. Galvin, C. Everts, and A. DeWall. Data reduction and analysis were accomplished with the assistance of B. Sims, J. Buchanan, M. Czerniak, W. Seelig, M. Fleming, T. Lawler, L. Adkinson, E. Kohler, J. Jones, P. Campos, F. Weinman, and J. Headland. Spectral analysis of wave gage data was done by the Coastal Oceanography Branch.

Special thanks are extended to the wave observers, including students of Southampton College, under the direction of Professor C.L. McCormick; F. Zimmer and N. Ackerson of the Long Island State Park Commission; M. Stephenson, C. Douhan, and J. Keller of the Fire Island National Seashore; and Chief Hickson of the Suffolk County Parks Commission. The author acknowledges and appreciates the helpful review comments from Dean M.P. O'Brien, Dr. R.L. Wiegel, and Mr. G.K. Nersesian.

Comments on this publication are invited.

Approved for publication in accordance with Public Law 166, 79th Congress, approved 31 July 1945, as supplemented by Public Law 172, 88th Congress, approved 7 November 1963.

Ted E. Bishop

TED E. BISHOP
Colonel, Corps of Engineers
Commander and Director

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CONVERSION FACTORS, U.S. CUSTOMARY TO METRIC (SI) UNITS OF MEASUREMENT

U.S. customary units of measurement used in this report can be converted to metric (SI) units as follows:

Multiply	by	To obtain
inches	25.4	millimeters
	2.54	centimeters
square inches	6.452	square centimeters
cubic inches	16.39	cubic centimeters
feet	30.48	centimeters
	0.3048	meters
square feet	0.0929	square meters
cubic feet	0.0283	cubic meters
yards	0.9144	meters
square yards	0.836	square meters
cubic yards	0.7646	cubic meters
miles	1.6093	kilometers
square miles	259.0	hectares
knots	1.852	kilometers per hour
acres	0.4047	hectares
foot-pounds	1.3558	newton meters
millibars	1.0197×10^{-3}	kilograms per square centimeter
ounces	28.35	grams
pounds	453.6	grams
	0.4536	kilograms
ton, long	1.0160	metric tons
ton, short	0.9072	metric tons
degrees (angle)	0.01745	radians
Fahrenheit degrees	5/9	Celsius degrees or Kelvins[1]

[1]To obtain Celsius (C) temperature readings from Fahrenheit (F) readings, use formula: $C = (5/9)(F - 32)$.

To obtain Kelvin (K) readings, use formula: $K = (5/9)(F - 32) + 273.15$.

BEACH CHANGES AT WESTHAMPTON BEACH, NEW YORK, 1962-73.

by
Allan E. DeWall

I. INTRODUCTION

Beach changes observed during repeated surveys at Westhampton Beach, New York, conducted by the Corps of Engineers from 1962 to 1973, are analyzed as part of the U.S. Army, Coastal Engineering Research Center (CERC) Beach Evaluation Program (BEP) (formerly known as the Pilot Program for Improving Coastal Storm Warnings or Storm Warning Program). The BEP's objective is to measure beach and dune changes due to erosion and accretion at selected localities and relate these changes to the coastal processes producing them. The BEP was a direct outcome of investigations into the effects of the Great East Coast Storm of March 1962 (see U.S. Congress, 1962). Twelve beaches in the region hardest hit by that storm (Massachusetts to North Carolina) are presently under study in this program. The surveying at Westhampton Beach is coordinated by CERC; the U.S. Army Engineer District, New York, is responsible for the fieldwork.

This report presents an analysis of beach profile changes at Westhampton Beach, documents the precise location of the surveyed profile lines, and describes the survey procedures used and accuracy obtained in repetitive surveys to wading depth.

Profile changes are analyzed in three parts: (a) short-term changes, including storm-induced changes and other changes between surveys; (b) long-term changes, including seasonal and yearly changes; and (c) some effects of a groin field and beach fill constructed during the study period. The variables analyzed include the mean sea level (MSL) shoreline position and the volume of sand stored on the beach above the MSL datum. Apparent trends in beach changes are correlated with observed wave conditions.

Volumetric change data to -6 meters MSL obtained before, during, and after groin construction are also presented (U.S. Army Engineer District, New York, 1976).

Metric units are used throughout this report except for specifications in data collection and computer processing where U.S. Customary units are given with the metric equivalent.

II. STUDY AREA

Westhampton Beach is a barrier island located on the south shore of Long Island, approximately 120 kilometers northeast of New York City (Fig. 1). The barrier island is 22 kilometers long, and ranges from 150 to 800 meters wide. The island is bounded on the east by Shinnecock Inlet and on the west by Moriches Inlet, and is separated from the Long Island "mainland" by the shallow Shinnecock and Moriches Bays and by

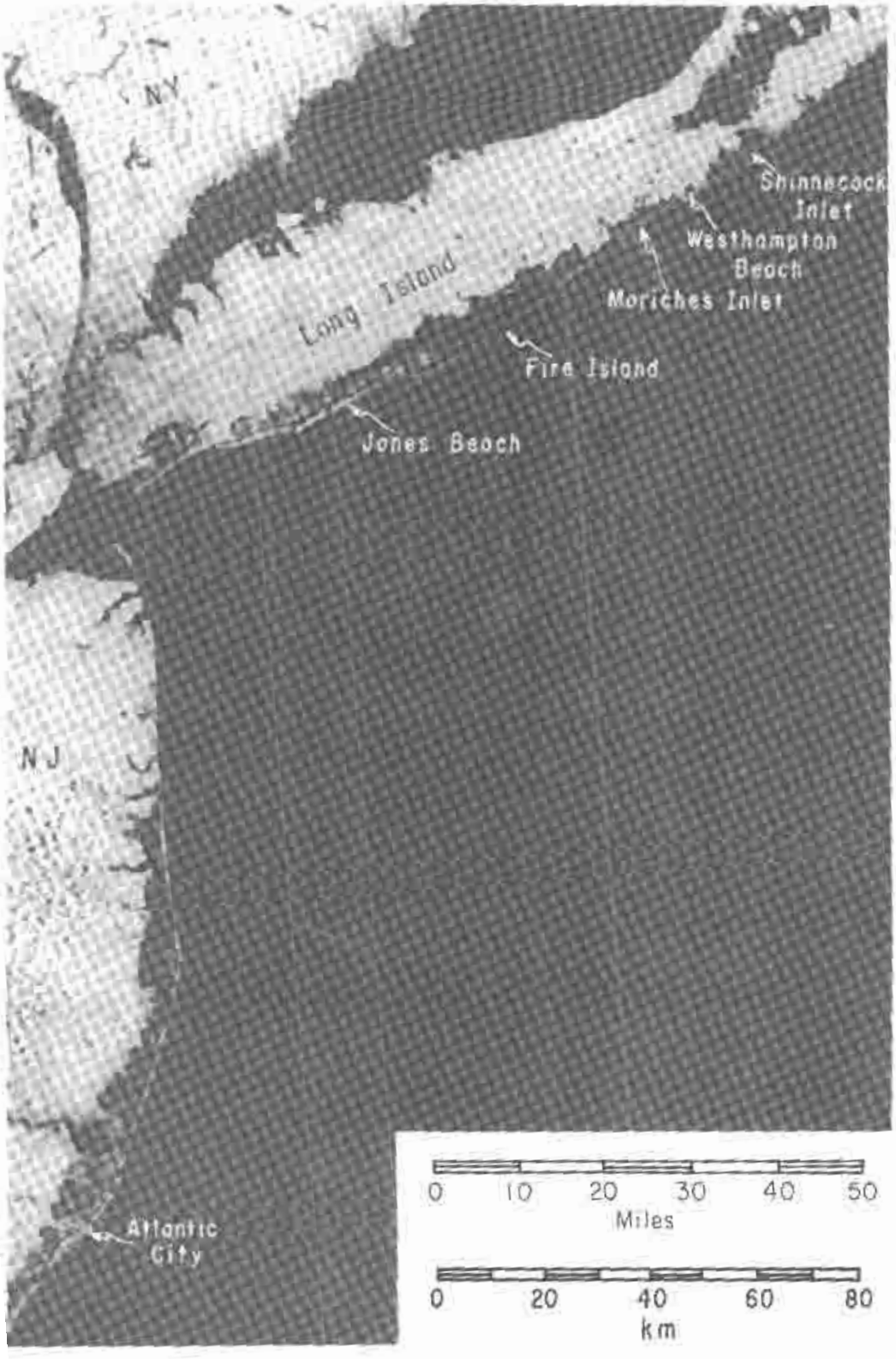

Figure 1. Location map.

dredged canals in the center part. The island encompasses the village of Westhampton Beach, the communities of Tiana Beach and Quogue, and the Copsoque Beach Park.

The geomorphology and geologic history of the south shore of Long Island have been summarized in Beach Erosion Board (1960), Taney (1961a), U.S. Army Engineer District, New York (1963, 1969), and Heikoff (1976).

Since the shoreline of Westhampton Beach trends N. 70° E., it is parallel to wave crests coming from the south-southeast. The ocean beaches consist of medium to coarse grain (0.3 to 1.2 millimeters or 1.7 to -0.3 phi; Taney, 1961b) quartz sand and are approximately 75 to 125 meters wide from the frontal dune to the mean low water (MLW) shoreline (Figs. 2 and 3). Maximum dune elevations range from 4.6 to 7.6 meters above MLW, with the higher elevations occurring on the eastern profiles.

Tides are semidiurnal with a mean range of 0.9 meter and a spring range of 1.1 meters. Mean wave height, from visual breaker observations between 1968 and 1973, is 0.73 meter; mean period is 8.1 seconds.

The direction of net longshore sand transport is from east to west and the average net rate has been estimated to be about 230,000 cubic meters per year at Shinnecock and Moriches Inlets (U.S. Army Engineer District, New York, 1971). Net transport rates decrease eastward along the south shore of Long Island due to increasing exposure to waves from the southwest.

Twin jetties were constructed between 1947 and 1954 at both Moriches and Shinnecock Inlets, together with revetments along the west shore of each inlet. The jetties at Shinnecock Inlet were completed about 2 years before those at Moriches Inlet. Three separate dune-fill projects on Westhampton Beach were completed by the State of New York in 1951, 1958, and 1967. The last two projects amounted to 116,000 and 76,000 cubic meters of fill, respectively. Additional work by the State and Federal Governments included dune reconstruction after a major hurricane in September 1938, emergency closure of breaches in the barrier opened in 1954 (Hurricane Carol) and during the 6, 7, and 8 March 1962 northeaster (vicinity of profile line 7, Fig. 4), construction of a field of 15 groins, and associated beach fill. A total of 864,000 cubic meters of fill material, with median grain size of 0.35 millimeter, was placed along the beach front after the March 1962 storm.

Groin construction was accomplished in two phases (Table 1 and Fig. 4). Eleven groins were constructed between profile lines 5 and 8 during July 1965 to October 1966. The groin field was extended 1,800 meters westward with an additional four groins between August 1969 and July 1970. These additional groin compartments were filled with a total of 1.9 million cubic meters of dune and beach fill, placed during 15 March to 23 May 1969 and 27 to 31 October 1970.

III. DATA COLLECTION PROCEDURE

A total of 20 profile lines was established along azimuths perpendicular to the local shoreline (Fig. 4). Profile lines 1 to 11 were

Figure 2. View east from profile line 1 (see Fig. 4), 6 September 1974.

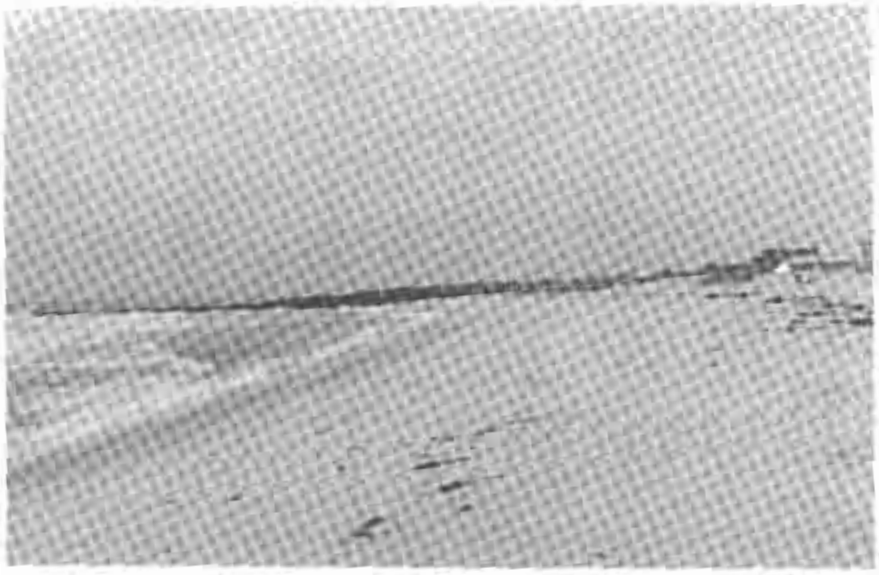

Figure 3. View west from profile line 7 (see Fig. 4), 6 September 1974.

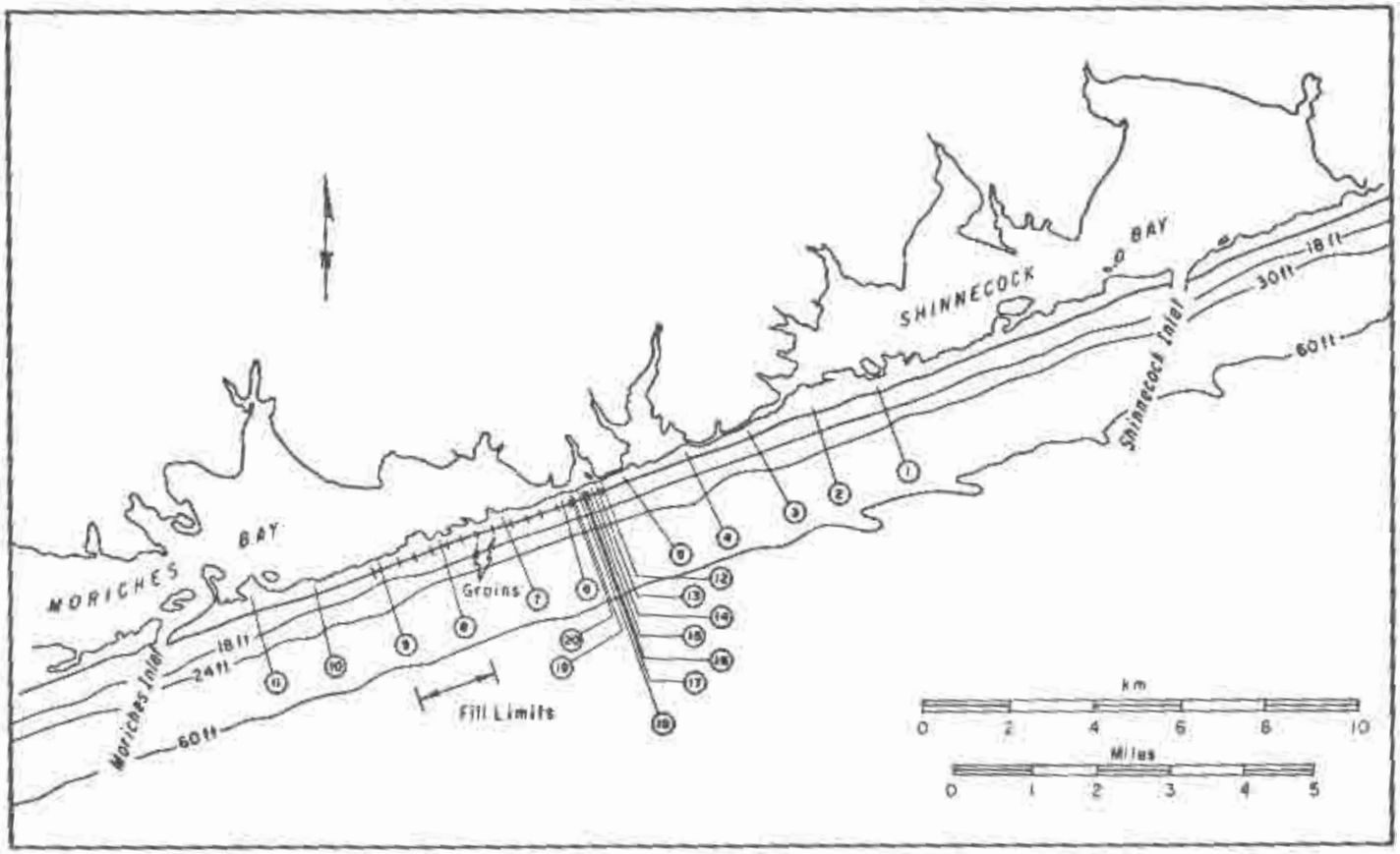

Figure 4. Profile line locations, Westhampton Beach, New York. Surveyed profiles extend from dune to wading depth along plotted profile line.

Table 1. Westhampton Beach groin construction schedule.[1]

Groin No.[2]	Station[3] (ft)	Started	Completed
1	460 + 84.87	7 July 1965	25 Mar. 1966
2	472 + 74.16	13 Apr. 1966	13 Oct. 1966
3	484 + 66.94	15 June 1965	2 Mar. 1966
4	495 + 77.25	24 Nov. 1965	30 June 1966
5	509 + 38.40	26 May 1965	24 Jan. 1966
6	521 + 42.97	12 Nov. 1965	28 July 1966
7	535 + 42.57	7 May 1965	31 Jan. 1966
8	547 + 83.54	1 Nov. 1965	13 Sept. 1966
9	559 + 52.00	12 Apr. 1965	29 Sept. 1965
10	572 + 63.68	18 Oct. 1965	12 May 1966
11	584 + 98.83	15 Mar. 1965	27 July 1965
12	600 + 34.90	30 Oct. 1969	- - - - - - -[4]
13	615 + 25	25 Aug. 1969	- - - - - - -
14	628 + 50	22 Oct. 1969	- - - - - - -
15	643 + 75	4 Aug. 1969	- - - - - - -

[1]Data from U.S. Army Engineer District, New York.

[2]Numbered from east to west.

[3]Groin stationing is reported in feet along the U.S. Army Engineer District, New York, baseline.

[4]Individual completion dates for groins 12 to 15 are not available; construction time was reportedly similar to groins 1 to 11, and all four groins were reportedly completed by 24 July 1970.

established at approximately 1.5-kilometer intervals in 1962. Profile lines 12 to 20 were established in 1972 and located within and just updrift of the two easternmost groin compartments. These profile lines were spaced at an average interval of 92 meters. In 1974, concrete monuments with standard brass Corps of Engineers' discs were placed on each profile line. Each monument was referenced horizontally to the State plane coordinate system (Long Island Lambert) and vertically to a local MLW datum (approximately 0.43 meter below mean tide level) established by the New York District. Monument documentation is given in Appendix A.

Profile surveys were collected by professional surveyors from the New York District, using the transit and stadia method (Fig. 5). Surveys were conducted along the established profile lines, starting in the vicinity of the primary dune crest and continuing as far seaward as a rodman could safely wade. At low tide, when surveys were usually scheduled, the profiles generally crossed the MLW datum. Onshore winds or high waves occasionally kept the rodman from reaching the MSL elevation. Occasionally, an amphibious vehicle (LARC V) was used to carry the rodman along the seaward part of the profile line (Fig. 6).

Only one instrument setup per profile was usually made. If, at the seaward end of the profile, the stadia rod was too low to be sighted when leveling, the rodman often used the "booting" method to get the needed elevation by placing the bottom of the rod at a premeasured elevation (such as the rodman's boot top or belt), which would bring the top of the rod back into the level line-of-sight.

The surveyed points defining the profile were recorded to the nearest 0.1 foot (0.03 meter) in distance and to the nearest 0.01 foot (0.003 meter) in elevation. For analysis purposes, these values were reported to the nearest 1.0 foot (0.3 meter) for distance and 0.03 meter for elevation. Points were surveyed approximately every 8 to 15 meters and at every visible change in slope.

The data obtained during the 1962-68 period were recorded in standard surveyor's field notebooks and plotted at a scale of 1:60 vertical and 1:600 horizontal. The 1969 to 1973 data were transcribed from the field notebooks to optical scanner forms.

The frequency of surveys ranged from weekly to quarterly, but they were generally done on a near-monthly schedule (Fig. 7). During each of the winters of 1967-68, 1968-69, and 1969-70, a series of 10 weekly surveys was made on profile lines 1 to 11. An attempt was also made to survey all lines immediately after significant coastal storms.

During the winter months of 1968 to 1974, rows of pipes were jetted into the sand at surveyed points along profile lines 4 and 8. Weekly sand level measurements were made by volunteer observers as a supplement to the instrument surveys. This project and an analysis of the first season's data are discussed in Urban and Galvin (1969).

Figure 5. Transit and stadia board used for profile surveys.

Figure 6. Rodman using LARC V to obtain surf zone bottom elevations.

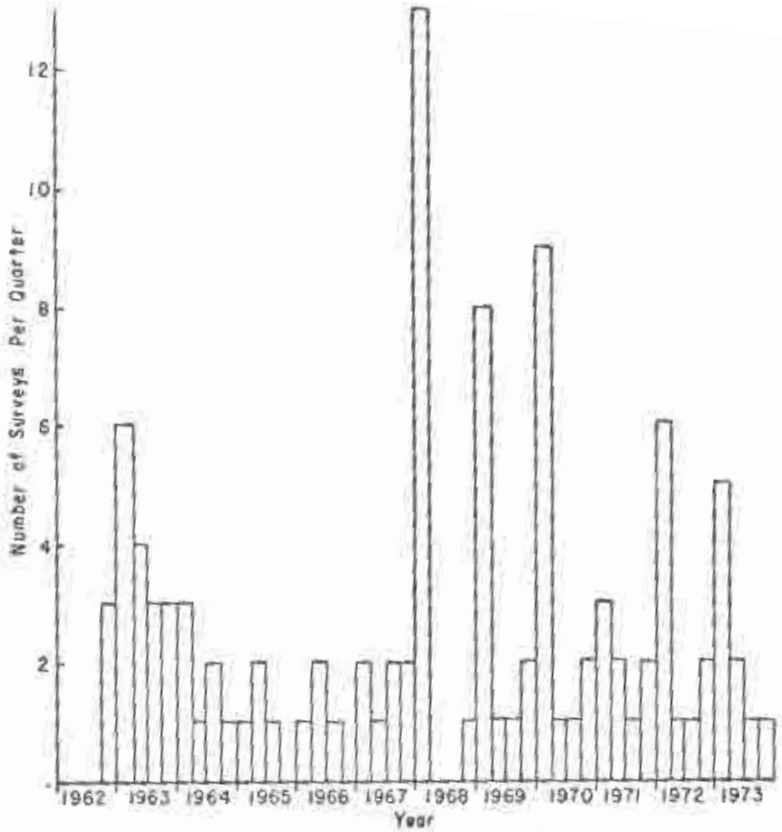

Figure 7. Frequency of surveys at Westhampton Beach.

IV. DATA ANALYSIS

Copies of the hand-plotted profiles from 1962 to 1968 were digitized at each of the surveyed points using an Auto-Trol 3400 digitizer and the resulting data were stored on magnetic tape. Data collected after 1968 were transcribed directly to optical scanner forms (International Business Machines Corporation, 1968) and converted to punchcards automatically. Hand-plotted data were edited for unreasonable values before digitizing. However, it was necessary to edit the directly coded data before storage on magnetic tape. Data corrections were verified with the original survey books or by the surveyors, rather than being arbitrarily made in the office. The basic data for this report are tabulated in Appendix B. Distances (feet) are referenced to the profile line bench mark and elevations (feet) are referenced to the MLW datum.

The profile data were analyzed for changes in MSL shoreline position (App. C) and changes in unit volume between surveys (App. D). For purposes of analysis, all profile changes were referenced to conditions on the "initial survey date." The initial survey dates for profile lines 1 to 11 and 12 to 20 were 11 October 1962 and 9 August 1972, respectively. The distance-elevation coordinates of the MSL-contour intercept with the initial survey on each profile line were then redefined as the origin (0.0) of a new coordinate system to which all subsequent surveys were

referenced (Fig. 8). Negative distances indicate stations landward of the MSL-intercept with the initial profile; positive distances indicate seaward stations.

For a profile crossing the MSL elevation, the MSL-intercept was linearly interpolated. When a profile did not cross the MSL elevation, but reached the +2-foot MSL elevation, the MSL-intercept was determined by extrapolating the profile along the slope defined by the two seawardmost surveyed points on the profile.

The cross-sectional area under each profile was computed. This area is bounded by three lines: (a) a vertical line projected from the landwardmost distance common to all surveys on a given profile line, (b) a horizontal line at the MSL elevation, and (c) the surveyed profile. The calculation was accomplished by summing 1-foot horizontal slices through the area under the profile (Fig. 9). The area change from the initial survey was then computed by subtracting the initial profile area from each subsequent profile area. Cross-sectional areas were computed in square feet and then converted to unit volume in cubic meters per meter of shoreline (1 cubic meter per meter = 10.8 cubic feet per foot). Areas were not computed under those profiles not reaching the +2-foot elevation at the seaward end.

A time-history plot in Appendixes C and D identifies dates of profile surveys, documented storm events, groin construction, and beach fill.

The plots in Appendix E are profile envelopes; i.e., the plots show two lines drawn through the upper and lower extremes of the surveyed sand elevations on each of the profile lines. The envelope of extremes usually contains points from many different surveys, rather than trace a particular eroded or accreted profile found during one survey.

V. RESULTS

During the 11-year study, 1,291 profile line surveys were collected. Surveys were scheduled monthly (or more often) for the first 18 months (Fig. 4). This frequency dropped to (approximately) quarterly surveys during 1964 to 1967. From 1968 to the end of the study, the data collection effort was concentrated during the winter months when there was a higher probability of the occurrence of northeasters. Scheduled surveys were generally bimonthly during the calmer weather of late spring to early fall.

The profile changes analyzed in this report are grouped by short-term and long-term changes. Short-term changes are changes measured between surveys; i.e., changes which occur over an interval of a few hours or days (in the case of storms) or over a few months (in the case of seasonal changes). Long-term changes that can be identified in the profiles include the yearly changes and may suggest longer term trends reflecting a relative rise in sea level and barrier island migration.

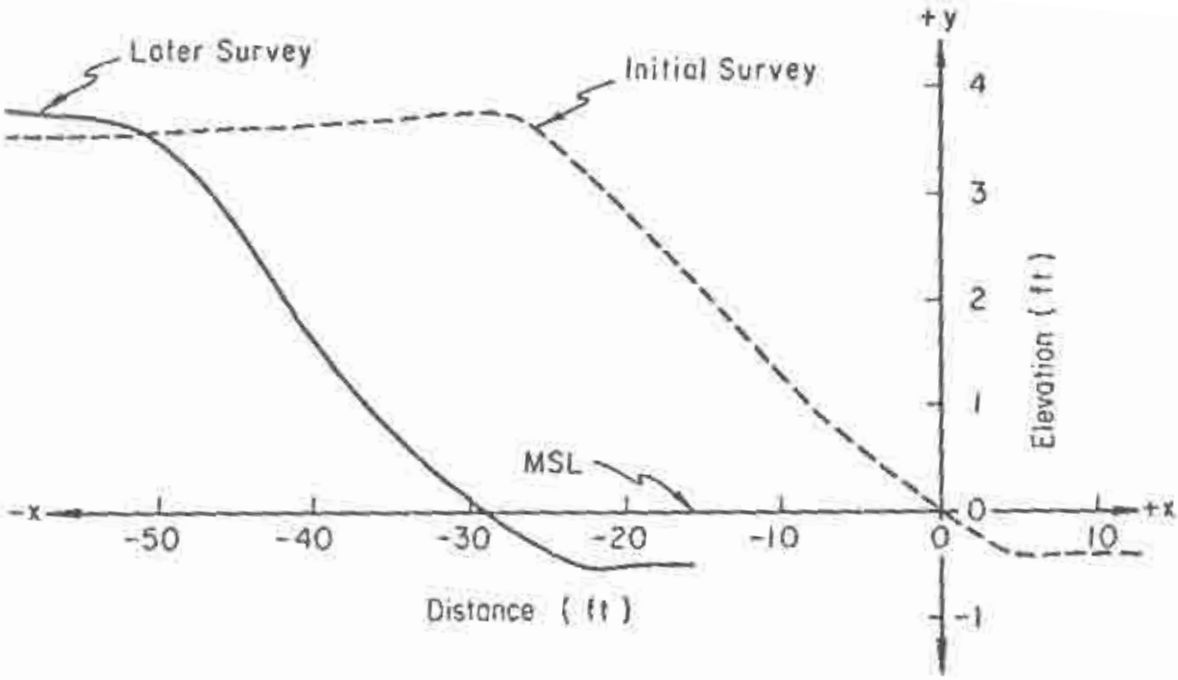

Figure 8. Profile coordinate system.

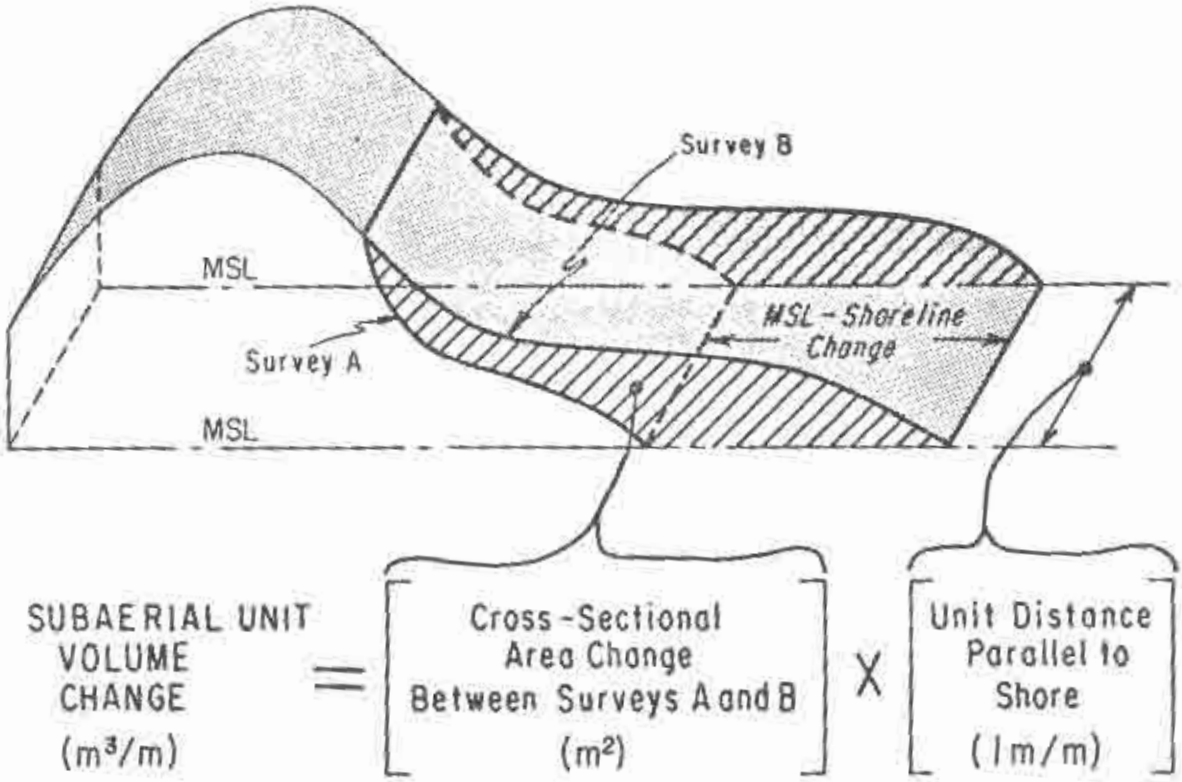

Figure 9. Definition of MSL shoreline change and subaerial unit volume change.

Changes in the MSL shoreline position and unit volume for profile lines 1 to 11 during the study period are summarized in Figure 10. The same changes also appear in Appendixes C and D, with distances and volumes referenced to the MSL position and beach volume in October 1962. These data show alternating intervals of accretion and erosion throughout the study, with only small net changes on the profile lines away from the influence of the groin field. The changes on profile lines 5 to 9 are a result of the groin field and artificial fill. Profile lines 1 to 4 are presumably undergoing more "natural" changes, although these changes may also be caused by the groin field. The U.S. Army Engineer District, New York (1976) has suggested that the changes measured on the easterly profiles are influenced by the placement of dredged material from the Intracoastal Waterway, which runs along the north side of the barrier island. However, the quantities and extent of dredged-material placement are not well documented.

1. Short-Term Changes.

Twenty-eight pairs of profile surveys were made shortly before and after significant coastal storms (Table 2). Typically, these storms are winter northeasters--extratropical low-pressure systems which develop inland, strengthen as they reach the coast, and then move fairly rapidly toward the north-northeast. The storms listed in Table 2 are not the only storms which occurred during the study, and may not even include the most damaging storms. For example, the majority of the listed storm changes occurred during the three scheduled 10 weekly surveys (17 of 28 storms). The table also shows that very few surveys were made immediately after storms. Since there is often a very rapid recovery of the beach immediately after storm erosion, the changes shown in Table 2 are considered to be conservative estimates.

A detailed analysis of the 17 December 1970 storm (a moderate northeaster) and its effect on the profile lines at Westhampton Beach is presented in DeWall, Pritchett, and Galvin (1977). The September 1967 storm (Hurricane Doria) generated coastal waves up to 4.6 meters in height, as measured by the CERC wave gage at Atlantic City, New Jersey (Fig. 1).

The beach profile change data in Table 2 are average values of the change in MSL position and unit volume above MSL for profile lines 1 to 11. Changes by profile line for each of the storms are plotted as histograms in Figure 11, which clearly shows that for any given storm both accretion and erosion occurred at different profile lines. The figure also shows that a given profile line may have undergone significant erosion during one storm and significant accretion during another. The greatest amount of erosion that was measured resulted from the storms of March 1973, 18 February 1969, February 1972, and September 1967 (Hurricane Doria).

Two storms during 7 to 12 November 1968 caused considerable property damage near profile line 8 (Fig. 12), but are not included in Table 2 because the prestorm survey was in March 1968. During the interval 27

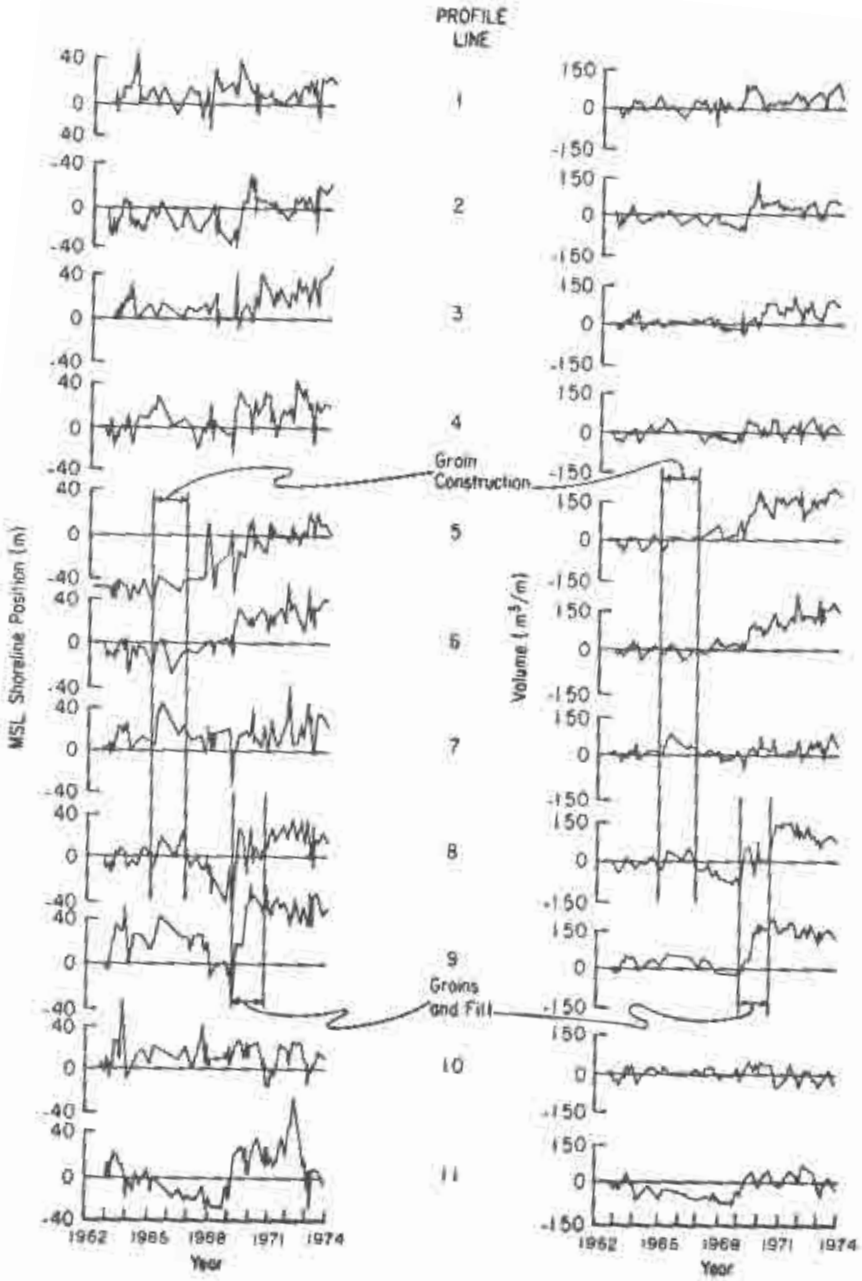

Figure 10. Changes in shoreline position and unit volume at Westhampton Beach, New York.

Table 2. Westhampton Beach storm changes.[1]

Storm dates	Survey dates	MSL shoreline change (m)		Above MSL unit volume change (m^2/m)	
		(Avg.)	(Std. dev.)	(Avg.)	(Std. dev.)
19 to 22 Oct. 1963	25 Sept., 30 Oct. 1963	6.89	9.87	13.36	16.71
13 Jan. 1964	8, 21 Jan. 1964	-3.39	13.24	-16.63	13.55
10 to 17 Sept. 1967	20 July, 21 Sept. 1967[2]	-16.20	18.31	-25.52	42.77
7 Jan. 1968	5, 11 Jan. 1968	5.07	7.20	0.24	7.75
14 Jan. 1968	11, 18 Jan. 1968[2]	-6.68	11.59	-5.60	10.83
25 Jan. 1968	24, 31 Jan. 1968[2]	-9.21	7.10	0.37	10.23
8 Feb. 1968	7, 14 Feb. 1968	-6.35	11.93	-2.76	12.20
25 Feb. 1968	21, 28 Feb. 1968	-0.42	9.31	4.65	11.61
1 Mar. 1968	28 Feb., 6 Mar. 1968	3.46	5.34	0.05	5.01
13 Mar. 1968	6, 14 Mar. 1968	-0.51	4.48	-4.61	4.94
18 Mar. 1968	14, 22 Mar. 1968[2]	1.03	8.30	0.62	4.13
23 Mar. 1968	22, 27 Mar. 1968	1.50	9.73	-0.62	6.53
22 Jan. 1969	17, 29 Jan. 1969	-7.54	15.81	-8.06	18.69
10 Feb. 1969	7, 13 Feb. 1969	0.87	15.42	7.33	19.19
18 Feb. 1969	13, 24 Feb. 1969[2]	-14.19	14.24	-28.91	23.73
24 Feb. 1969	24, 28 Feb. 1969[2]	-3.03	13.53	0.32	13.21
2, 7 Mar. 1969	28 Feb., 10 Mar. 1969	6.38	18.39	8.95	24.38
10 Mar. 1969	10, 14 Mar. 1969	4.61	8.12	2.78	9.91
11 Dec. 1969	25 Nov., 20 Dec. 1969	-3.13	7.85	-8.78	25.94
20 to 27 Dec. 1969[3]	20 Dec. 1969, 15 Jan. 1970	3.74	12.11	5.81	32.81
21 Jan. 1970	15, 22 Jan. 1970	2.83	8.20	6.77	13.16
15 Apr. 1970[3]	13 Mar., 7 May 1970	2.86	13.77	-5.29	17.91
17 Dec. 1970	1, 18 Dec. 1970	3.91	11.29	-10.44	17.35
4 Feb. 1972	31 Jan., 5 Feb. 1972	-1.68	9.30	-24.10	20.02
13, 19 Feb. 1972	5, 22 Feb. 1972	-2.12	7.96	-21.26	13.49
16 Dec. 1972[3]	5 Dec. 1972, 3 Jan. 1973	2.11	13.96	-3.03	25.22
9 to 12 Feb. 1973	6, 13 Feb. 1973	-5.81	18.29	-18.84	26.68
22 Mar. 1973	16, 24 Mar. 1973	-20.52	16.35	-29.18	19.55

[1]Average change measured on profile lines 1 to 11; negative values indicate erosion.
[2]Not all profiles reached MSL.
[3]More than one storm occurred during the interval between surveys.

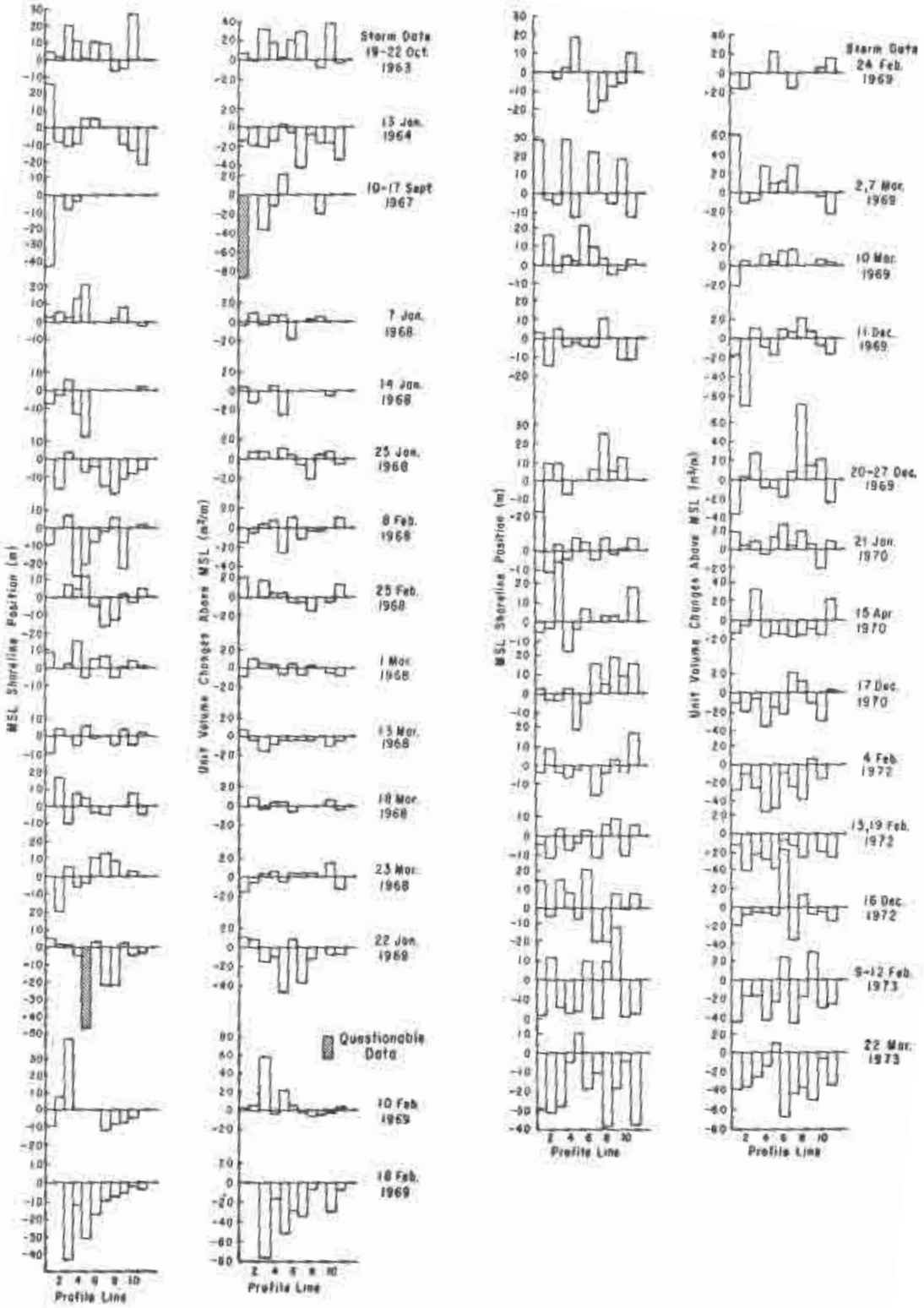

Figure 11. Storm-induced changes at Westhampton Beach.

Figure 12. View of Westhampton Beach after storm of 12 November 1968, west of 11-groin field (in background). Note wreckage of structure and critical condition of the shore (U.S. Army Engineer District, New York, 1969).

March to 19 November 1968 the shoreline at profile line 8 eroded 18 meters. It is not known what percentage of this erosion was due to the November storms, since the profile was still adjusting to the groin which was constructed 75 meters updrift in 1965. A total of 562,700 cubic meters of sand was lost from the 1,800-meter reach west of the 11-groin field due to the 12 November 1968 storm (U.S. Army Engineer District, New York, 1969). Based on poststorm inspections and examination of air photos, it was reported that the November 1968 storms caused the most damage during this study period (G.K. Nersesian, Chief, New Jersey Planning Group, U.S. Army Engineer District, New York, personal communication, June 1978).

Other than storms, the significant short-term profile changes measured are directly attributable to groin construction and beach-fill events. Losses similar to the large losses previously noted on profile line 8 also appear on profile lines 7, 8, and 9 after completion of the first field of groins (Apps. C and D). During the 2-year period after groin construction, the shoreline at profile line 8 eroded at 20 meters per year, and the unit volume loss was 9 cubic meters per meter per year. These losses confirm that the groins were effectively trapping littoral drift being transported to the west.

The large gains in sand volume observed on profile lines 8 and 9 represent the two beach-fill projects in 1969 and 1970. The emergency fill placed during March, April, and May 1969 is quite apparent on profile line 8 (App. D). The time of this fill coincides with a period of natural accretion observed on most of the other profiles. The second and much larger fill project (27 October 1969 to 31 October 1970) was in conjunction with the construction of groins 12 to 15 (Fig. 4 and Table 1). This fill totaled 1,490,000 cubic meters of material (determined from surveys in the borrow area) placed over 1,800 meters of shoreline. Since the borrow area was in the lagoonal sediments of Moriches Bay, not all fill material was of suitable sand size. Before-and-after surveys of fill on profile lines 8 and 9 indicate that at least 175 cubic meters per meter of material was placed on the beach above MSL. Since the surveys did not include all of the dune profile, this value is a minimum.

2. Long-Term Changes.

In addition to the short-term changes, which are often quite large, the data in Figure 10 suggest that the profiles undergo seasonal cyclic changes and also a longer term net change which may or may not be cyclic.

Figure 13 shows the monthly average MSL shoreline position and unit volume for each of the profile lines. The "zero" MSL position and unit volume in the figure represent the mean of the monthly averages for each profile line. These data show that changes are actually seasonal with the least amount of sand on the beaches from January to May and the most sand on the beaches from June to December. However, relatively few surveys were made in summer, and the data shown in the figure for July are based on only three surveys over the 11 years (1963, 1964, and 1967); therefore the data may be less representative of average summer conditions.

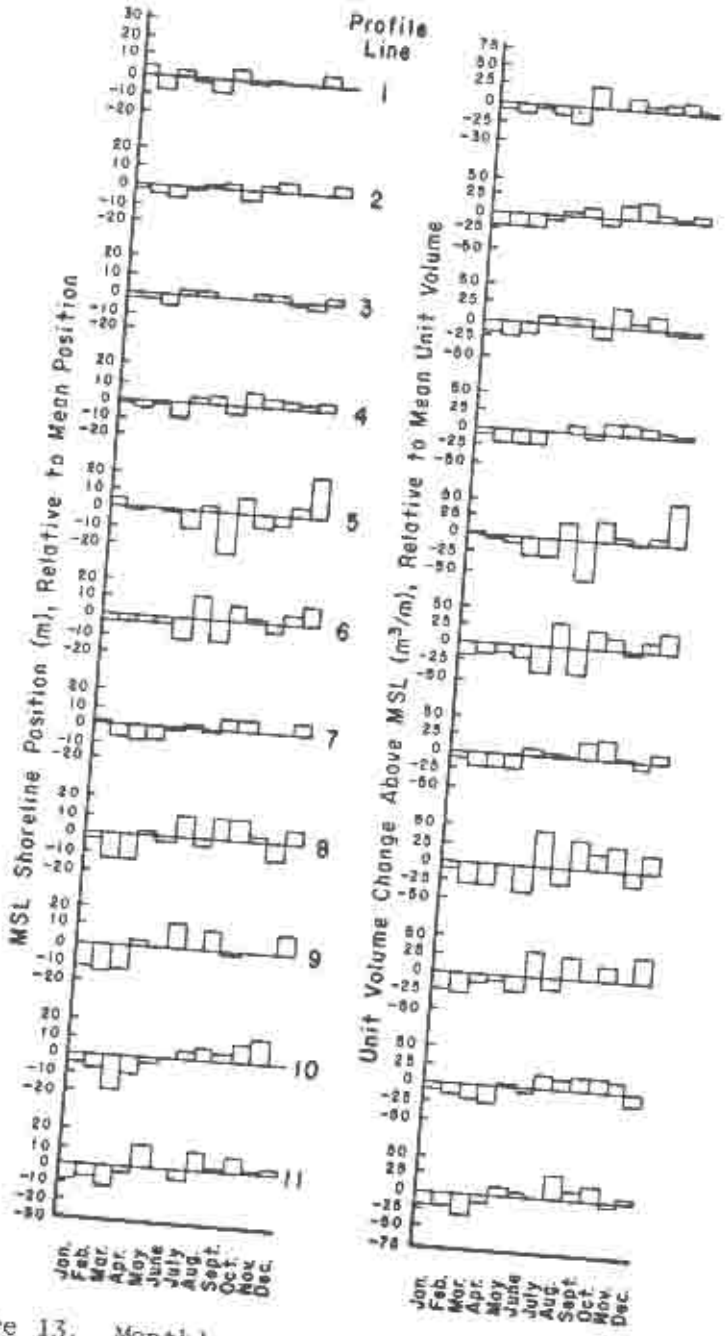

Figure 13. Monthly mean shoreline position and unit volume at Westhampton Beach.

Table 3 shows the rates of change for profile lines 1 to 11 during the interval 1962-73. These change rates were computed by the least-squares method and indicate that with the exception of profile line 10, all profile lines had a net accretion above MSL over the 11-year interval.

Table 3. Rates of profile change on Westhampton Beach, 1962-73.

Profile line	Distance from profile line 1 (m)	MSL shoreline change[1] (m/yr)	Above MSL unit volume change[1] ($m^3/m/yr$)
1	0	0.15	3.90
2	1,570	0.86	4.19
3	3,119	1.84	4.06
4	4,685	1.56	2.59
5	6,253	5.97	18.17
6	7,699	4.33	13.99
7	9,147	0.89	1.68
8	10,651	2.51[2]	11.67[2]
9	12,253	3.55[2]	14.09[2]
10	13,801	-0.28	-1.31
11	15,365	1.59	1.06
Avg.		+2.09	+6.74

[1]Positive values denote accretion; negative values, erosion.
[2]Within the area of direct placement of beach fill.

3. Groin Effects.

The profile change data in Figure 10 show that the groin field at Westhampton has effectively built up the beaches within and immediately updrift of the field (profile lines 5 to 9). After completion of the first 11 groins, profile lines 5 and 6 began an accretionary trend that is in contrast to the first 3 years of the study when the net change was nearly zero. During the interval between completion of the first 11 groins and completion of the last 4 groins, profile lines 8 and 9 showed an erosional trend, which was reversed and stabilized as a result of the beach fill and additional groin construction. A period of accretion on profile lines 1 to 4, which was generally coincident with accretion measured on profile lines 5, 6, and 7, may also be due to the groins but is interpreted as resulting from other causes.

An independent set of survey data collected in the vicinity of the groin field by the U.S. Army Engineer District, New York, and which extended to below -18 feet (-5.5 meters) MLW, is summarized in Figure 14. These data show a large amount of accretion occurring below MLW during the period of construction. After completion of the first 11 groins, the three easterly compartments continued to accrete; the westerly compartments lost a considerable amount of material. Most of the erosion occurred below the waterline while the above MLW profiles indicated accretion. The three easterly compartments were reported to be filled and bypassing sand by 1972 (G.K. Nersesian, personal communication, June 1978).

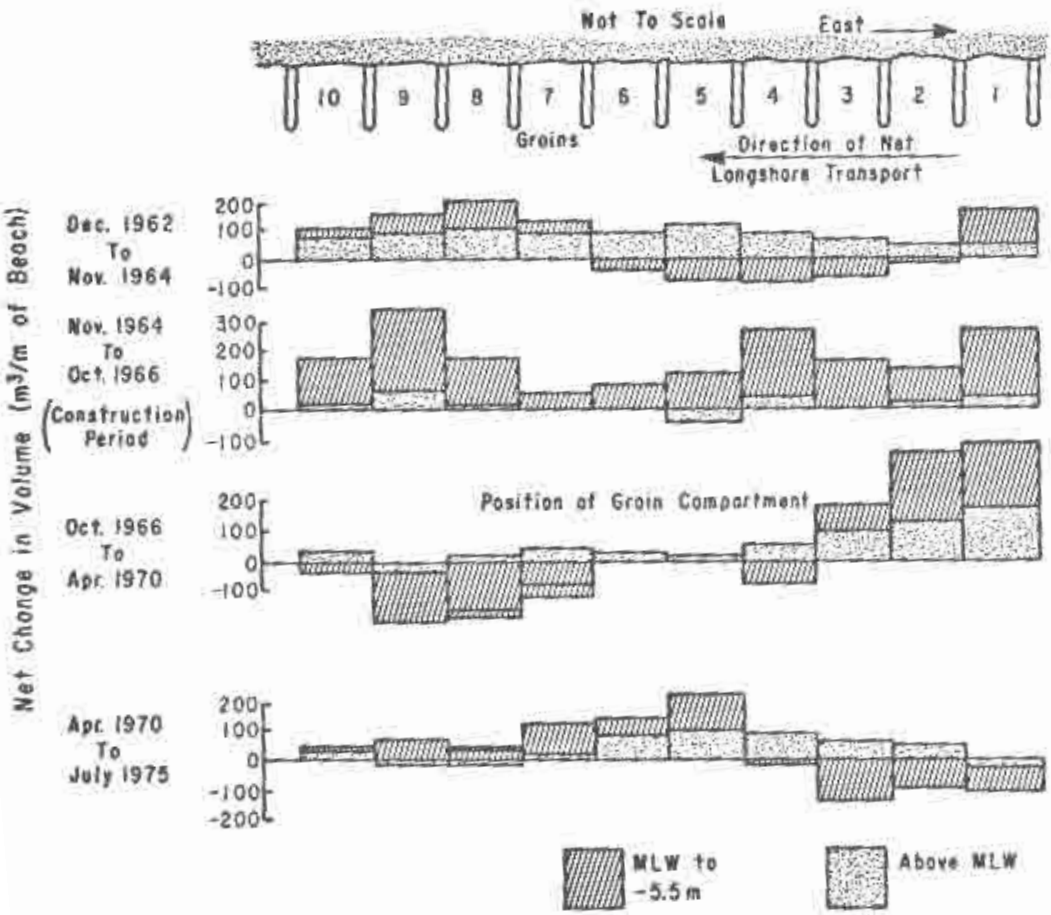

Figure 14. Net volumetric changes within groin compartments, easternmost 11 groins at Westhampton Beach (revised from U.S. Army Engineer District, New York, 1976).

The purpose for establishing profile lines 12 to 20 in 1972 was to determine the effects of the groins at various positions within the two easternmost compartments (Fig. 10). The changes in MSL shoreline position and unit volume for profile lines 12 to 20 are plotted in Figure 15 and summarized in Table 4. The shoreline position in the figure was traced from aerial photos taken after the 19 February 1972 northeaster. The change rates in the table were computed by standard linear regression analysis. These data show that, of the three groins, only groin 1 is impounding sand on its east (updrift) side and losing sand on its west side. Since most of the impounded sand appears to be removed during periods of erosion, only a small net increase in unit volume occurred updrift of groin 1 between August 1972 and December 1973 (0.5 cubic meters per meter). Profile line 13, immediately downdrift of groin 1, has undergone a net erosion with some recovery during the summer. Profile lines 15 and 16 on either side of groin 2 both accreted, while the two profile lines immediately east of groin 3 showed a net erosion. During the 16-month interval the two compartments gained a total of 17,940 cubic meters of sand above MSL. The compartment bounded by groins 2 and 3 accreted at a rate 86 percent higher than the compartment bounded by groins 1 and 2. The rates of accretion measured on profile lines 14 and 18, located near the midsection of the two compartments, are significantly higher than the average rates for the compartments. Profiles away from the groin field showed little net change during the same period (Fig. 10).

Table 4. Rates of profile changes within groin field, 1972-73.

Profile line	Groin	Distance from groin 1 (m)	MSL shoreline change (m/yr)	Above MSL unit volume change ($m^3/m/yr$)
12		63	-0.54	+0.49
	1	0	------	------
13		61	-6.39	-4.22
14		182	+8.92	+16.18
15		316	+4.39	+27.03
	2	363	------	------
16		386	+18.98	+37.85
17		416	+24.79	+62.32
18		534	+11.77	+26.78
19		669	-6.23	-0.38
20		699	-10.52	-19.01
	3	726	------	------
Avg.			(distance-weighted)	
	1 to 2		+2.37	+12.76
	2 to 3		+8.51	+23.71
	1 to 3		+5.44	+18.24

VI. DISCUSSION

1. Profile Changes.

Previous studies of profile changes at Westhampton Beach have determined shoreline erosion rates of 2 to 3 meters per year for data collected

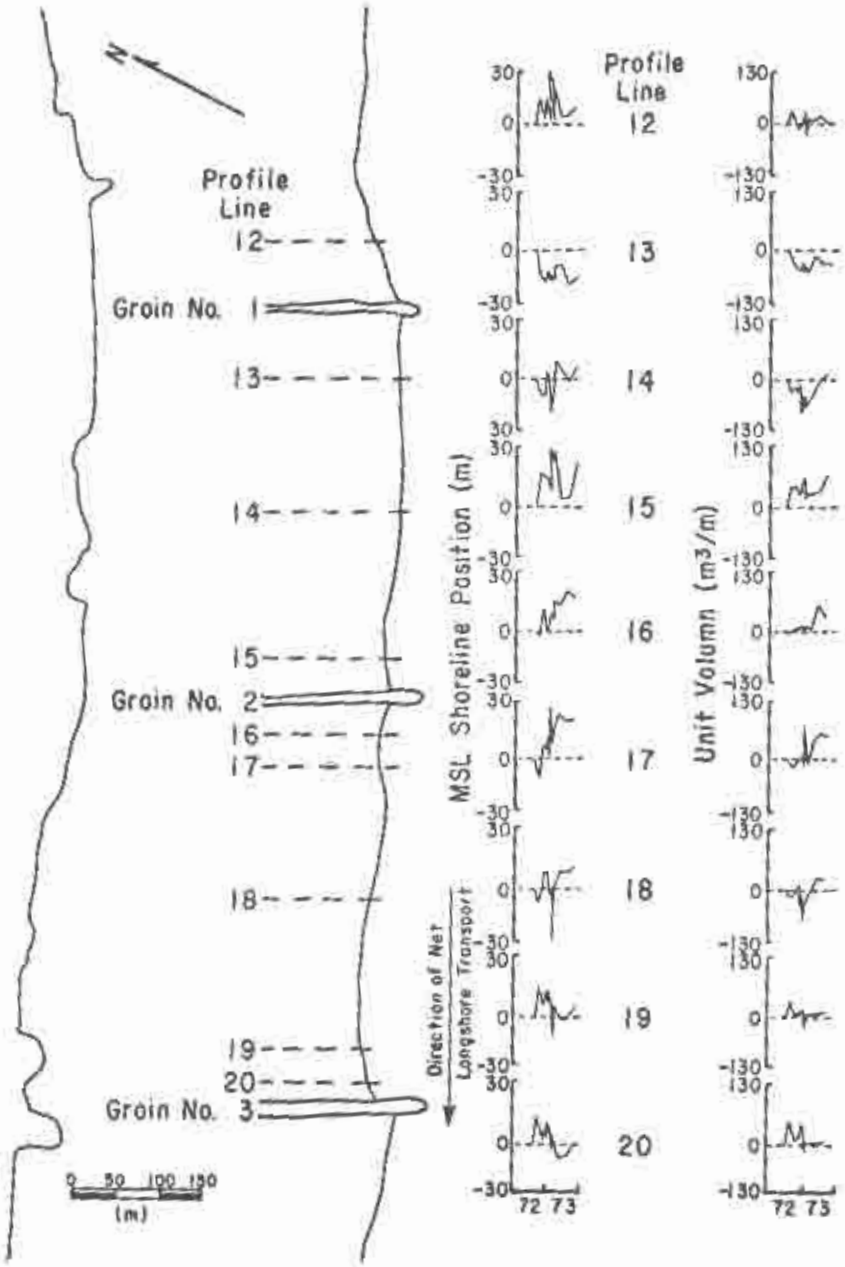

Figure 15. MSL position and above MSL volume within easterly groin compartments, 1972-73.

between 1940 and 1956 (Taney, 1961a; Beach Erosion Board, 1960). Taney has also shown that Westhampton Beach retreated at an average rate of 0.6 meter per year for the interval between 1938 and 1956. This suggests that the accretionary period documented during this study is not typical of the long-term trend. Although much of the overall gain can be attributed to the trapping of littoral drift within the groin field and the placement of fill within the four westernmost groin compartments, significant accretion also occurred on five profile lines that are presumed to be less influenced by the groin field (profile lines 1 to 4, and 11). The profile lines within the easternmost groin compartments and immediately to the east of the groin field generally showed the highest rate of nonfill related accretion. It is not known how much of this accretion might be due to a general recovery from the storm of March 1962.

A natural accretionary trend, coincident with the construction of the Westhampton Beach groin field, is suggested by changes measured on profiles located 2 to 5 kilometers updrift and 3 kilometers downdrift of the groin field. Erosional trends measured on profile lines 2, 3, 4, and 11 from 1962 to 1968 were reversed in 1969. The rapid shoreline advance observed on profile line 11 during 1972 may be a result of fill material migrating westward from the groin field. This material was apparently transported seaward of the shoreline at profile line 10 since there is no indication of it from the beach surveys on that line. Everts, DeWall, and Czerniak (1974) documented an alongshore migration of fill material placed on the beach at Atlantic City, New Jersey. Migration rates of the subaerial "hump" or volume maximum resulting from two separate fill projects were 2 and 3 meters per day. If the 1972 accretion observed at profile line 11 on Westhampton Beach resulted from the 1970 fill, the rate of alongshore movement of the volume maximum from profile lines 9, 10, and 11 would have been 4 meters per day. It is also possible that the general accretionary trend is due to artificial nourishment associated with both the groin construction and with placement of material dredged from the Intra-coastal Waterway.

2. Seasonal Changes and Wave Climate.

Monthly mean wave height and period observations (from three sources) are summarized in Figure 16. The gage data are from a spectral analysis of 1,024-second digital records collected by CERC four times per day, using a pressure sensor located on the sea bottom, offshore of Southampton (Fig. 1). Visual observations of breaking waves on a near-daily basis by volunteer observers at Southampton and Westhampton indicate that the breaking waves arrive more frequently from the southeast (from the left of shore-normal, to an observer on the beach) on a yearly basis. During the summer months the lower waves tend to arrive from the south-southwest, or slightly from the right of shore-normal. A comparison of these data with the average nonfill profile changes summarized in Figure 17 shows that, as expected, the higher steeper waves during the fall and winter months tend to remove sand from the beaches, while the lower less steep summer waves tend to rebuild the beaches. A partial beach recovery in December

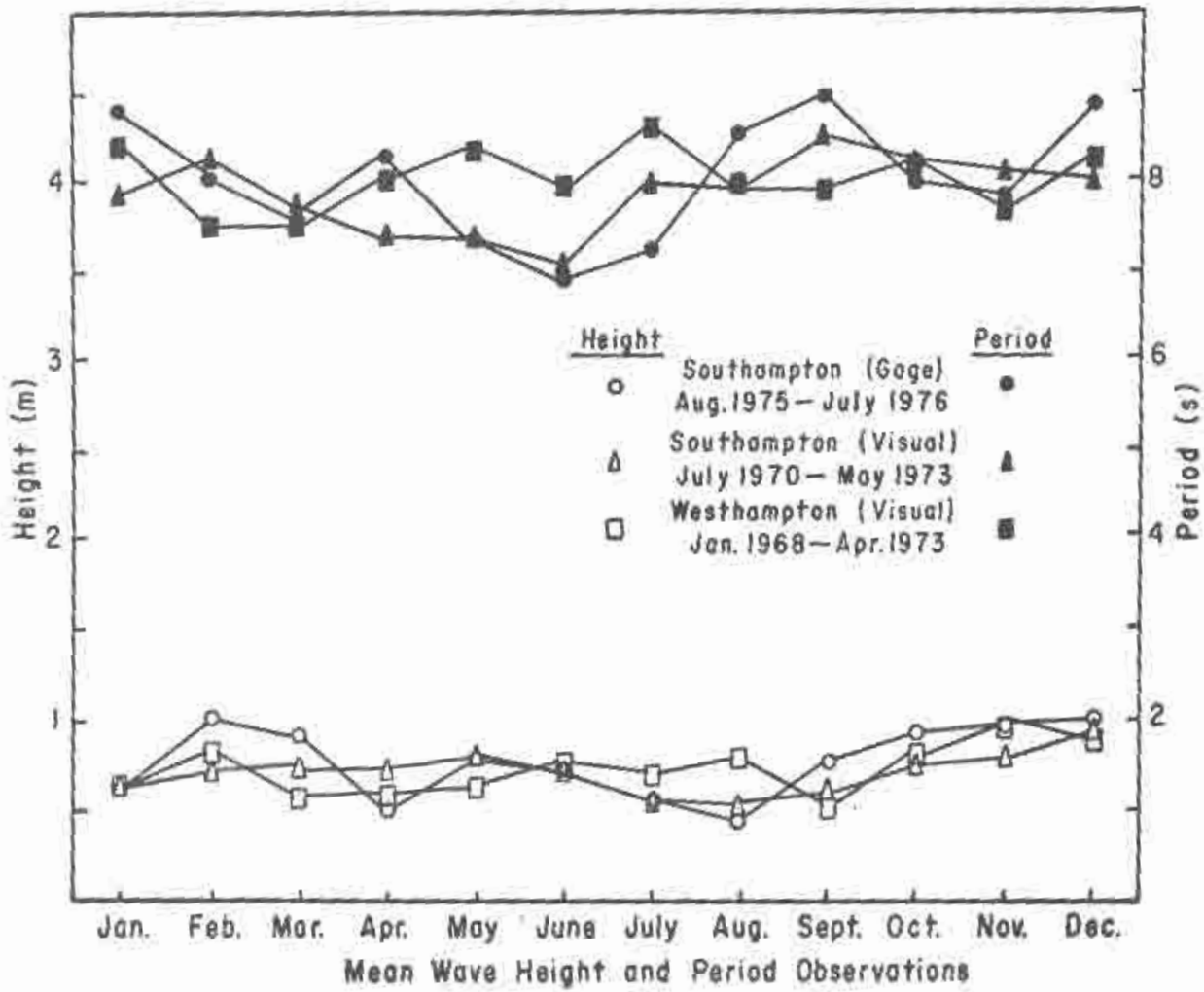

Figure 16. Monthly mean wave height and period observations.

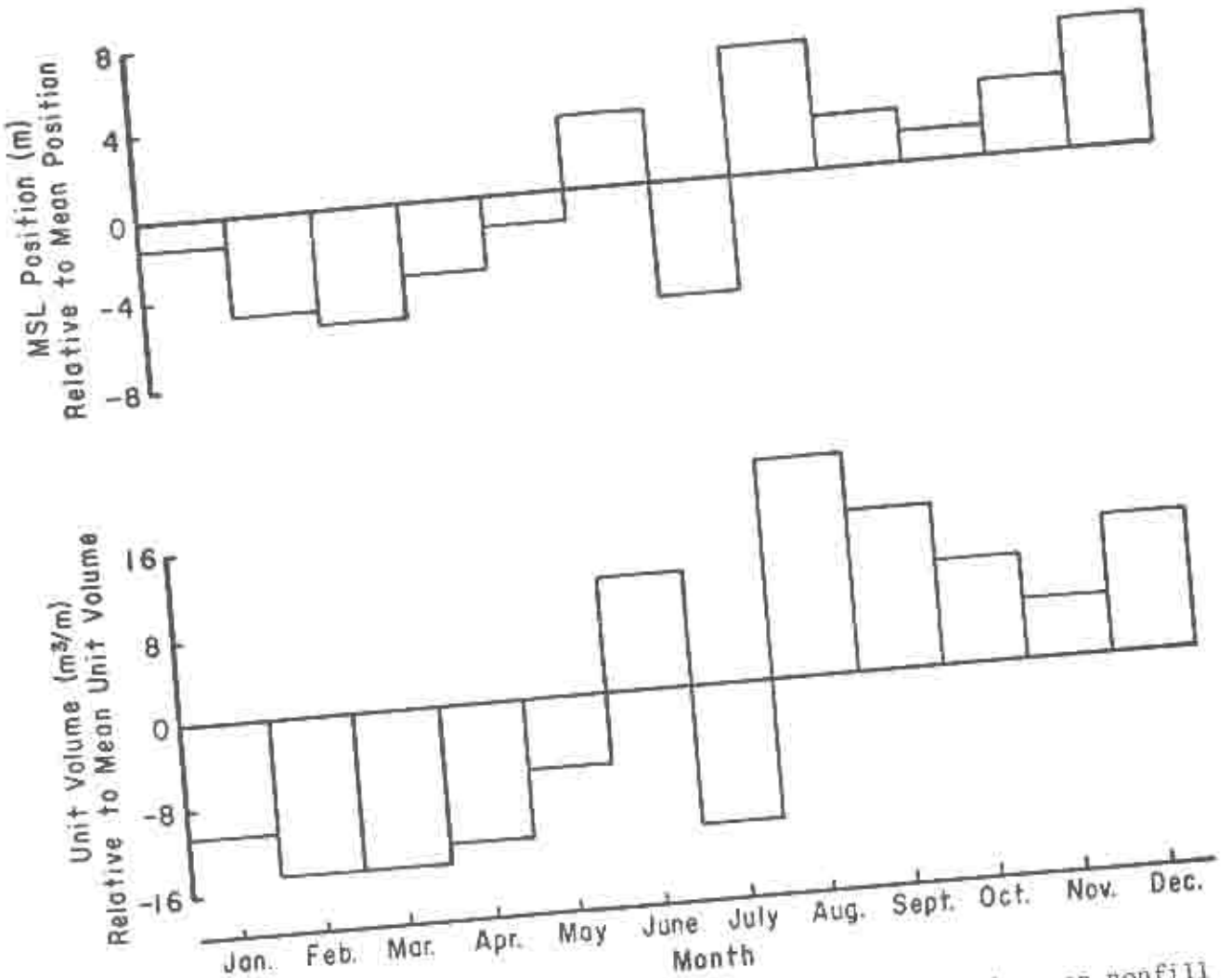

Figure 17. Monthly mean MSL shoreline position and unit volume on nonfill profile lines, 1962-73, Westhampton Beach (includes data from profile lines 1 to 7, 10, and 11).

appears to be coincident with the occurrence of longer waves during that month (Fig. 16). Figure 17 gives averages of the monthly mean shoreline position and unit volume data shown in Figure 13, excluding profile lines 8 and 9. As discussed previously, the averages shown for July are based on only three surveys and may not be representative of average conditions. The surveys at Westhampton Beach have shown that short-term (less than 1 year) fluctuations in beach width of at least 60 meters can be expected away from the influences of the groin field. Changes within and downdrift of a new groin field can be much greater.

Profile envelope plots in Appendix E show the maximum excursions of the MSL shoreline and the maximum and minimum elevations measured along each profile line. The envelopes for profile lines 1 to 11 represent the "active" sand lens over the full 11-year study; the envelopes for profile lines 12 to 20 represent the active sand lens over the last year and a half of the study. The envelopes for profile lines 8 and 9 include the two beach-fill projects; envelopes for profile lines 5, 6, and 7 show the effects of impoundment by the groin field.

3. Coastal Engineering Implications.

The beach profile data in this report principally reflect the artificial changes resulting from placement of the groin field and associated beach fill, which began in July 1965. Profile changes measured before the groin field construction were definitely influenced by both natural and artificial (dune and beach fill) recovery from the effects of the March 1962 northeaster.

The data show that, on the average, the groin field and beach-fill projects have halted an erosional trend at Westhampton Beach. However, the groin field has also had the effect of focusing the erosion problem on the beaches immediately downdrift (west). After completion of the first 11 groins, the shoreline immediately downdrift of the westernmost groin eroded at a rate of approximately 28 meters per year. This condition was halted by the placement of beach fill and the construction of additional groins. However, the problem was only moved to a new location—immediately downdrift of the extended groin field. In planning such a project, consideration must certainly be given to the potential for severe erosion and property damage at the downdrift end of a groin field. Sand that is removed from the longshore transport system and deposited within the groin field is replaced at the expense of the beaches and dunes immediately downdrift. A periodic, local beach nourishment scheme might be one way to maintain the shoreline position and protect the beach in this critical area.

Visual observations of breaker direction suggest that reversals in net longshore transport direction occur during the months of June through September. Reversals in transport direction within the groin field have been documented by the U.S. Army Engineer District, New York (1969). Further evidence of reversal is shown by the changes on profile line 8 during the summers of 1965 and 1966 after construction of groin 11

(Apps. C and D). During those two summers the shoreline at profile line 8 accreted an average of 26 meters and the above MSL volume increased an average of 72 cubic meters per meter. Winter erosion more than equalled these amounts. However, profile lines 12, 15, 19, and 20, immediately to the east of groins, underwent erosion during the summer months in which they were surveyed. Profile lines 13, 16, and 17 on the west side of groins (Fig. 15), underwent significant accretion during the same summers. In planning the location and timing of beach nourishment, these seasonal reversals in transport direction must also be considered.

VII. SUMMARY

From 1962 to 1973, 1,291 beach profile surveys were collected on 20 profile lines from the dune to wading depth at Westhampton Beach, New York. Frequency of surveys ranged from weekly to quarterly (Fig. 7). During the study, prestorm and poststorm surveys were made which documented changes resulting from 27 moderate northeaster storms and 1 hurricane (Table 2).

The largest changes measured (in order of decreasing severity) were during the storms of March 1973, February 1969, February 1972, and September 1967 (Table 2; Fig. 11). The seasonal change in beach width for 11 profile lines averaged 30 meters; the seasonal sand volume change above MSL averaged 56 cubic meters per meter (Apps. C and D).

Beach change rates are separated into three categories: east of the groin field (profile lines 1 to 4), within the groin field (profile lines 5 to 9), and west of the groin field (profile lines 10 and 11). During the 11-year study period, profile lines 1 to 4 accreted at a rate of 1.10 meters per year MSL shoreline advance and 3.68 cubic meters per meter per year unit volume gain. Profile lines within the groin field had a shoreline advance of 3.45 meters per year and gain in unit volume of 11.92 cubic meters per meter per year. These figures include directly placed beach fill. Profile lines west of the groin field showed a shoreline advance of 0.66 meter per year and a unit volume loss of 0.12 cubic meter per meter per year (Table 3). The changes on profile lines 1 to 4 are presumed to be the least influenced by the downdrift groin field and beach-fill projects. However, even these values include an unknown amount of material placed on the beach updrift (east) of profile line 1 from maintenance dredging of the Intracoastal Waterway.

These data show that the groin field at Westhampton Beach is effectively trapping sand. During the last 18 months of the study the three easternmost compartments, which were essentially filled, were still trapping sand above MSL at an average rate of 18 cubic meters per meter per year (Table 4). During the same interval the beach downdrift of the groin field (profile lines 10 and 11) lost sand at an average rate of 20.8 cubic meters per meter per year, with the shoreline retreating at 6.7 meters per year.

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APPENDIX A

PROFILE LINE DOCUMENTATION

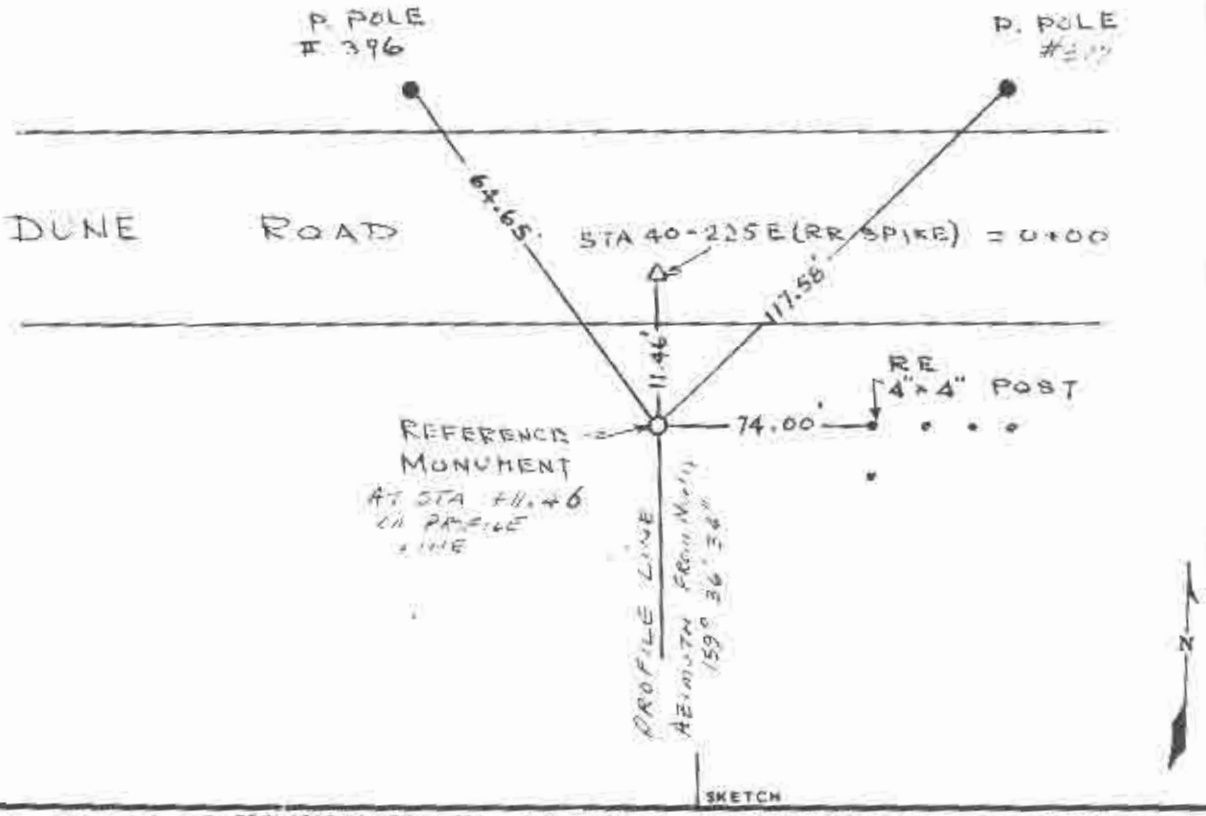
COUNTRY	TYPE OF MARK	STATION CENT. PROFILE 01	
U.S.A.	CONC MON. WITH DISK	PROFILE 40-225E (REF. MONUMENT)	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 11.46' SOUTH	AGENCY (CAST IN MARKS) C.O.E.	ELEVATION (FT) (M) 4.61
LATITUDE 40° 49' 09.5" N	LONGITUDE 72° 33' 33.1" W	DATUM NORTH AMERICA, 1927	DATUM M.L.W.
(NORTHING)(~~EASTING~~) (FT) (M) 219,611.46	(EASTING)(~~NORTHING~~) (FT) (M) 2,398,782.24	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C.O.E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	339° 36' 34"	° ' "		
QUOGUE WATER TANK	98 46 17			
HAMPTON BAYS SILVER TANK	206 25 38			

Profile line or is located along Dune Road about 4.55 miles west of Shinnecock Inlet and about 1.95 miles east of the intersection of Dune Road and Post Lane which leads to the Town of Quogue. STATION IS ABOUT OPPOSITE GEDGE IS.



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

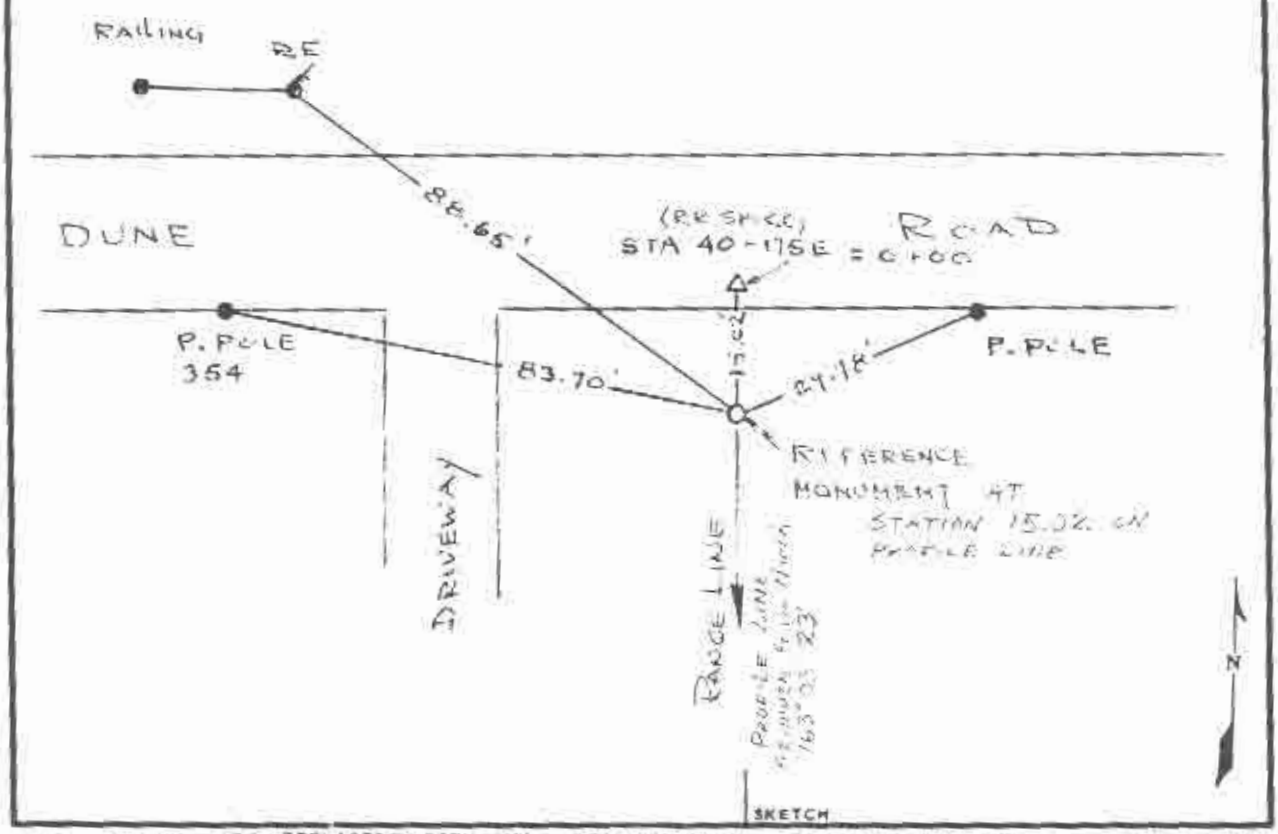
COUNTRY	TYPE OF MARK	STATION CERC [illegible] 02	
U. S. A.	CONC MON. WITH DISK	PROFILE 40-175 E (REF. MONUMENT)	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 15.02' SOUTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION (FT) 5.88
LATITUDE 40° 48' 52".5 N	LONGITUDE 72° 34' 36".3 W	DATUM NORTH AMERICA, 1927	DATUM M. L. W.
(NORTHING)(~~EASTING~~) (FT) 217,811.72	(EASTING)(~~NORTHING~~) (FT) 2,393,956.44	GRID AND ZONE L. I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER TH(RD)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	343 03 23	° ' "		
QUOGUE WATER TANK	109 23 31			
E FIRE HYDRANT	254 05 01			

STATION LOCATED 0.36 MI EAST OF POST LANE - DUNE RD INTERSECTION AND APPROXIMATELY 5.6 MI WEST OF SHINNECOCK INLET.



SKETCH

DA FORM 1959 (OCT 54) REPLACES DA FORMS 1959 AND 1959, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

COUNTRY	TYPE OF MARK	STATION CERC [illegible]	
U. S. A.	CONC MON WITH DISC	PROFILE 40-125 E (REF. MONUMENT)	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 13.31' SOUTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION (FT) 10.28
LATITUDE 40° 48' 34".3 N	LONGITUDE 72° 35' 37".9 W	DATUM NORTH AMERICA, 1927	DATUM M. L. W.
(NORTHING)(~~EASTING~~) (FT) 215,895.42	(EASTING)(~~NORTHING~~) (FT) 2,389,249.06	GRID AND ZONE L. I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 ORDER THIRD

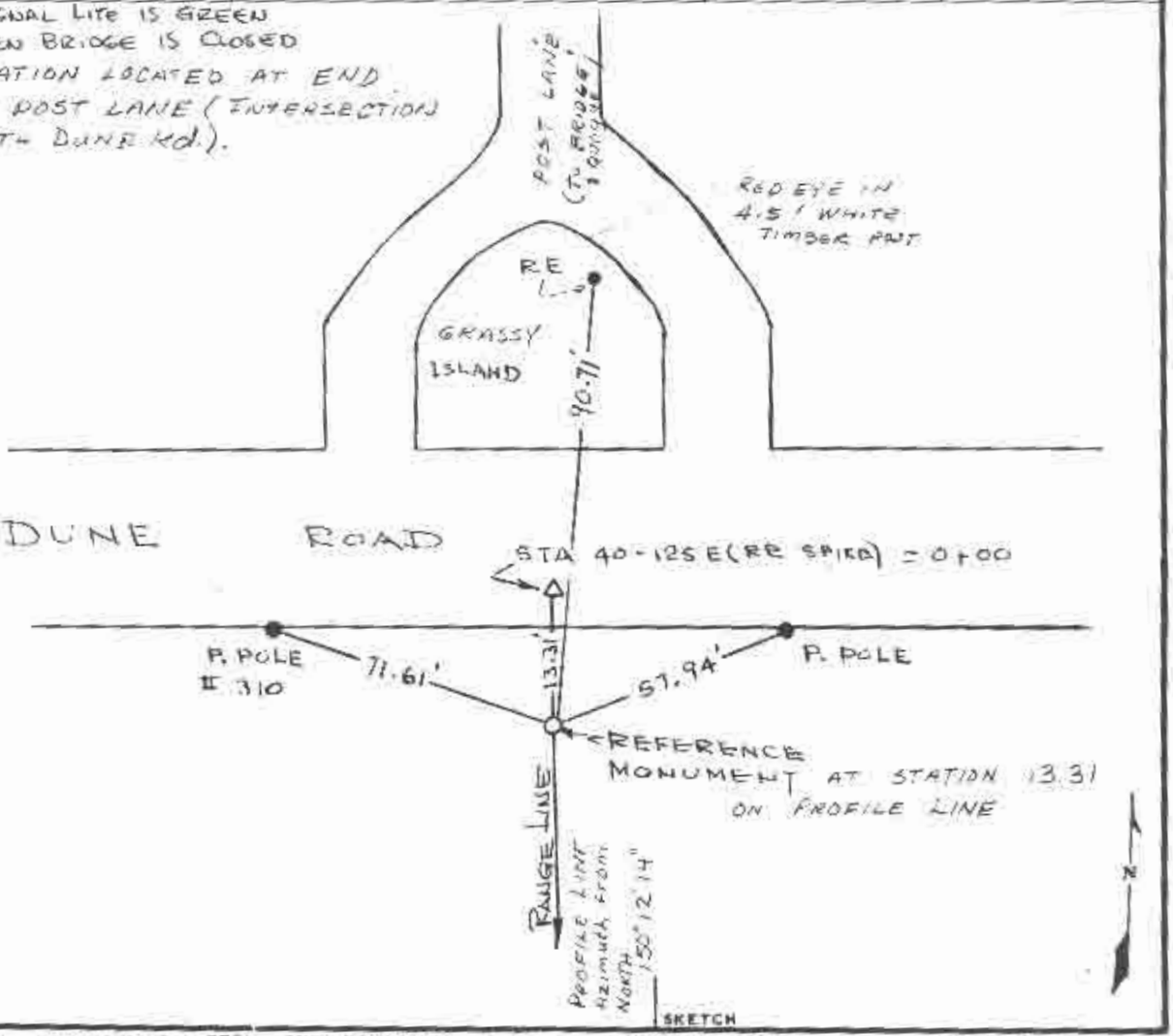
TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	330° 12' 14"	° ' "		
OLD C.G. CUPOLA	64 18 10			
QUOGUE BR. SIG. LITE*	146 27 51			
℄ FLAGPOLE (W/WEATHERVANE)	171 38-47			

*SIGNAL LITE IS GREEN WHEN BRIDGE IS CLOSED

STATION LOCATED AT END OF POST LANE (INTERSECTION WITH DUNE Rd.).



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

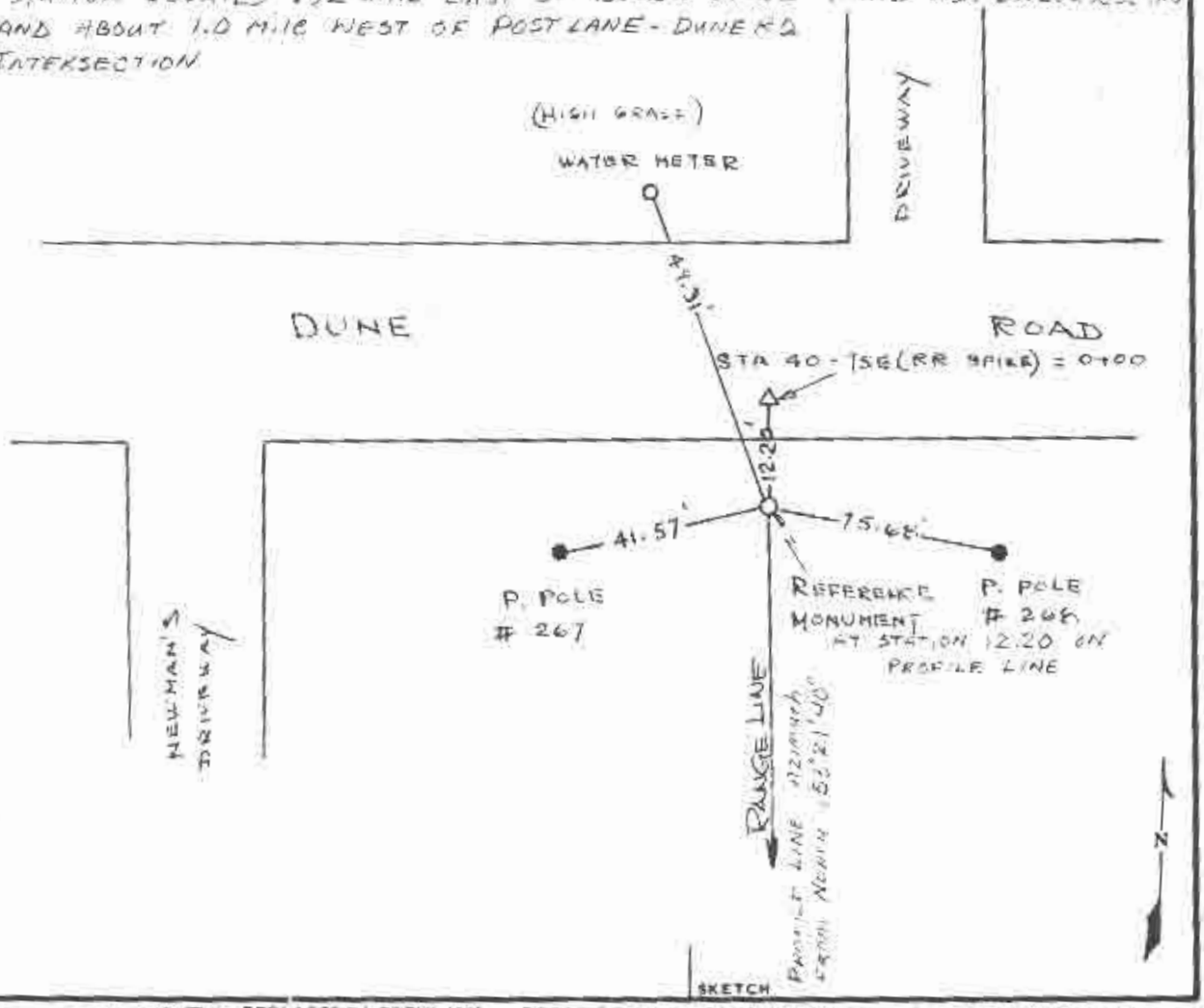
COUNTRY	TYPE OF MARK	STATION CERC [illegible] 82	
U. S. A.	CONC. MON. WITH DISC	PROFILE 40-7SE (REF. MONUMENT)	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 12.20' SOUTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION (FT) 8.88
LATITUDE 40° 48' 16.0" N	LONGITUDE 72° 36' 40.2" W	DATUM NORTH AMERICA, 1927	DATUM M.L.W.
(NORTHING)(~~EASTING~~) (FT) 213,958.83	(EASTING)(~~NORTHING~~) (FT) 2,384,489.69	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C.O.E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	333° 21' 40"	° ' "		
QUOGUE WATER TANK	158 15 23			
℄ FIRE HYDRANT	67 04 14			

STATION LOCATED .92 mile EAST OF BEACH LANE - DUNE RD. INTERSECTION AND ABOUT 1.0 MILE WEST OF POST LANE - DUNE RD INTERSECTION



SKETCH

DA FORM 1 OCT 54 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

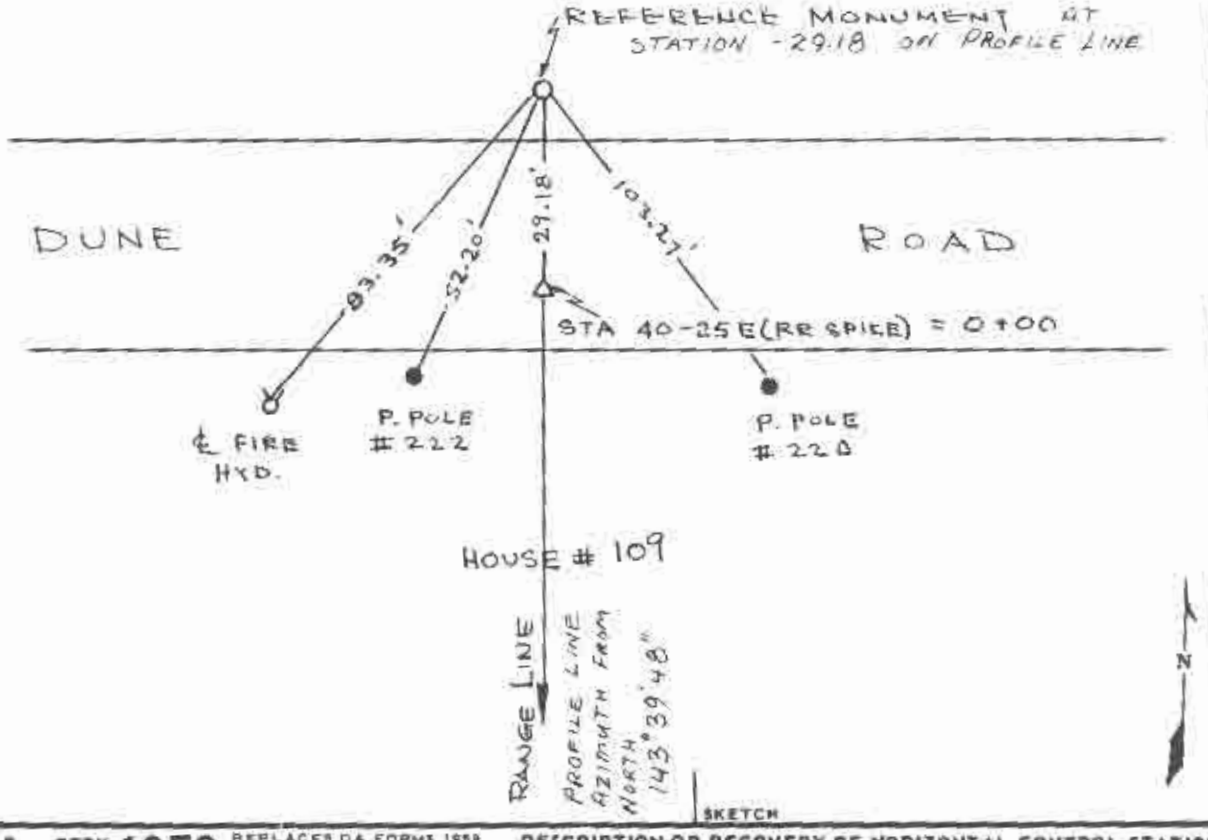
COUNTRY	TYPE OF MARK	STATION CORO PROFILE OS	
U. S. A.	CONC MON. WITH DISK	PROFILE 40-25 E (REF. MONUMENT)	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK - 29.18' NORTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION (FT) 8.26
LATITUDE 40° 47' 56".6 N	LONGITUDE 72° 37' 42".0 W	DATUM NORTH AMERICA, 1927	DATUM H. L. W.
(NORTHING)(~~EASTING~~) (FT) 211,922.68	(EASTING)(~~NORTHING~~) (FT) 2,319,764.46	GRID AND ZONE L. I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1914 ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN From South GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	32°3 39 48	° ' "		
℄ FIRE HYDRANT	25 38 36			
℄ 30 MPH SIGN	246 44 10			

STATION LOCATED .96 mi EAST OF JESSUP LANE - DUNE Rd INTERSECTION AND .04 mi WEST OF BEACH LANE - DUNE Rd INTERSECTION (≈ 130 ft)



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION
For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

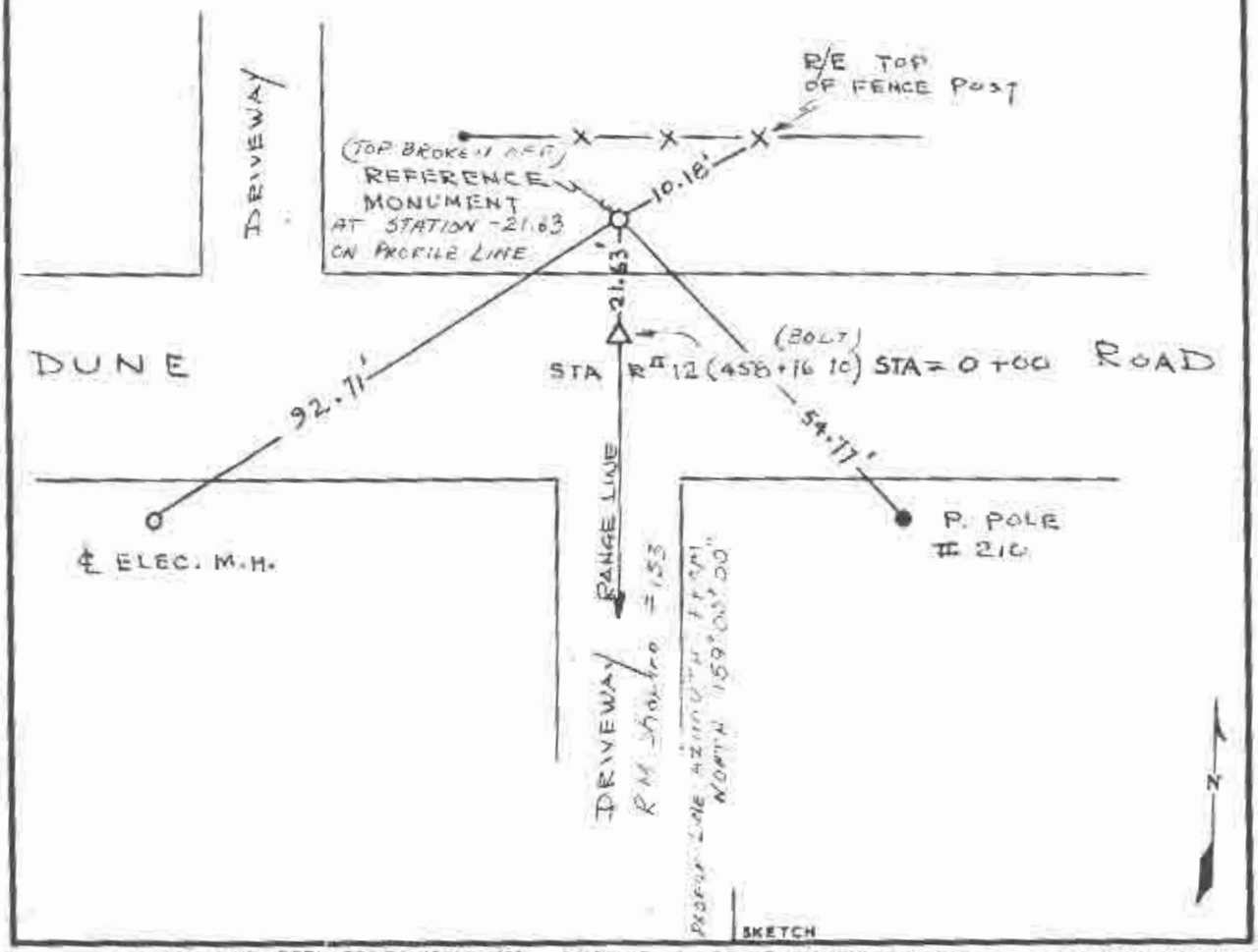
COUNTRY	TYPE OF MARK	STATION CERC PROFILE 12 REF.	
U. S. A.	CONC. MON. WITH DISK	PROFILE R II 12 (458+76.10) MON.	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK -21.63' NORTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION ~~6.95~~ TOP BROKEN (FT) ~~(M)~~
LATITUDE 40° 47' 52.3" N	LONGITUDE 72° 38' 02.4" W	DATUM N.A. 1927	DATUM M.L.W.
(NORTHING)(~~EASTING~~) (FT) ~~(M)~~ 211464.55	(EASTING)(~~NORTHING~~) (FT) ~~(M)~~ 2318207.37	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN From South GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	339 00 00	° ' "		
QUOGUE WATER TANK	195 09 07			

STATION LOCATED .63 mi. EAST OF JESUP LANE - DUNE RD INTERSECTION AND .37 mi. WEST OF BEACH LANE - DUNE RD INTERSECTION



DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

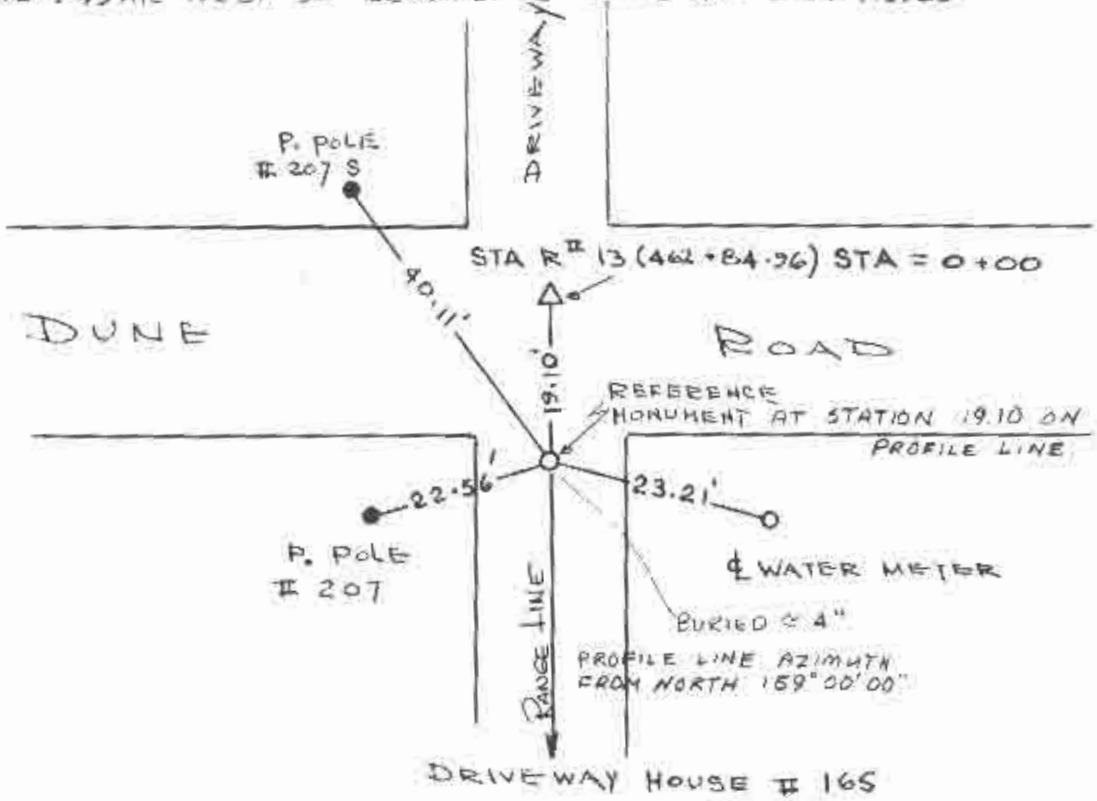
COUNTRY	TYPE OF MARK	STATION CERC PROFILE 13	REF.
U. S. A.	CONC- MON WITH DISK	PROFILE R# 13 (462+84.96)	MON
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 19 10' SOUTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION (FT) 6.34
LATITUDE 40° 47' 50.5" N	LONGITUDE 72° 38' 07.1" W	DATUM N.A. 1927	DATUM M. L. W.
(NORTHING)(~~EASTING~~) (FT) 211 279.42	(EASTING)(~~NORTHING~~) (FT) 2 377 842.02	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	339 00 00	° ' "		
R14 ℄ (466+79.52)	74 00 20			
℄ 3 APEXES	230 35 43			
E FIRE HYDRANT	252 49 21			

STATION IS LOCATED .55 MI EAST OF JESSUP LANE - DUNE Rd INTERSECT AND .45 MI WEST OF BEACH LANE - DUNE Rd. INTERSECT.



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

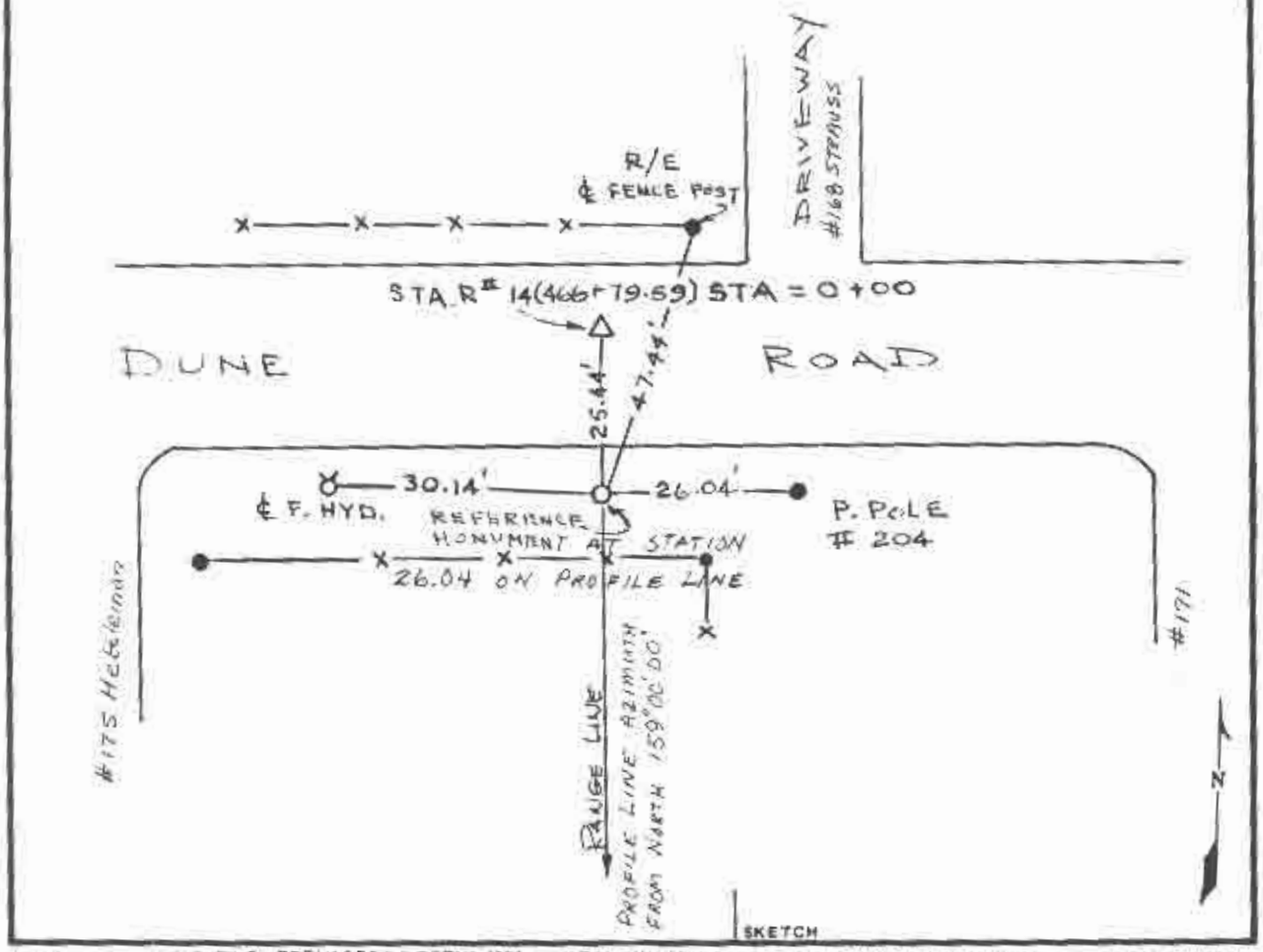
COUNTRY	TYPE OF MARK	STATION CERC PROFILE 14 REF.	
U. S. A.	CONC. MON. WITH DISK	PROFILE R# 14(466+79.59) MON	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 25.44' SOUTH	AGENCY (CAST IN MARKS) C.O.E.	ELEVATION (FT) 8.67
LATITUDE 40° 47' 49.3" N	LONGITUDE 72° 38' 12.0" W	DATUM N.A. 1927	DATUM M.L.W.
(NORTHING)(~~EASTING~~) (FT) 211 146.62	(EASTING)(~~NORTHING~~) (FT) 2 377 470.69	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C.O.E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	339 00 00	° ' "		
R13B (462+84.96)	247 32 45			
ST. MARYS CHURCH SPIRE	144 34 11			
FLAGPOLE (W/WEATHERVANE)	103 47 23			

STATION LOCATED .47 mi EAST OF JESSUP LANE - DUNE Rd INTERSECTION AND .53 mi WEST OF BEACH LANE - DUNE Rd INTERSECTION



DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION (TM 5-237)

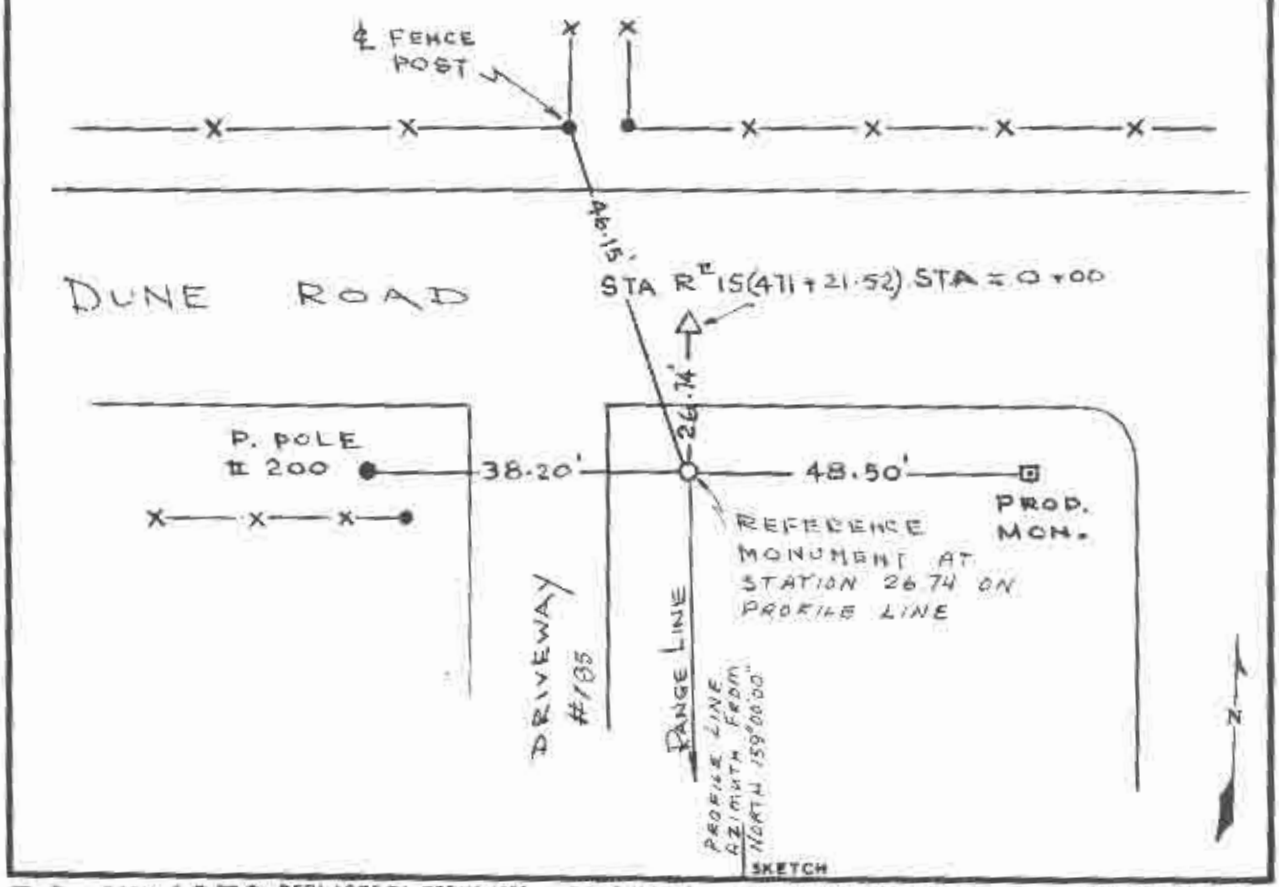
COUNTRY	TYPE OF MARK	STATION CEMC PROFILE 15	
U. S. A.	CONC. MON. WITH DISK	PROFILE R# 15(471+21.52) REF. MON	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 26.74' SOUTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION 8.16 (FT) ~~(M)~~
LATITUDE 40° 47' 47.9" N	LONGITUDE 72° 38' 17.5" W	DATUM N.A. 1927	DATUM M.L.W.
(NORTHING)(~~EASTING~~) 211 003.59 (FT) ~~(M)~~	(EASTING)(~~NORTHING~~) 2377053.58 (FT) ~~(M)~~	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	33°9 00 00	° ' "		
R14 REF. MON	251 04 21			
℄ FLAGPOLE	69 16 21			
℄ WEATHER VANE	86 30 21			

[illegible] LOCATED 0.4 mi EAST OF JESSUP LANE - DUNE Rd INTERSECTION and 0.6 mi WEST OF BEACH LANE DUNE Rd INTERSECTION



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION (TM 5-237)

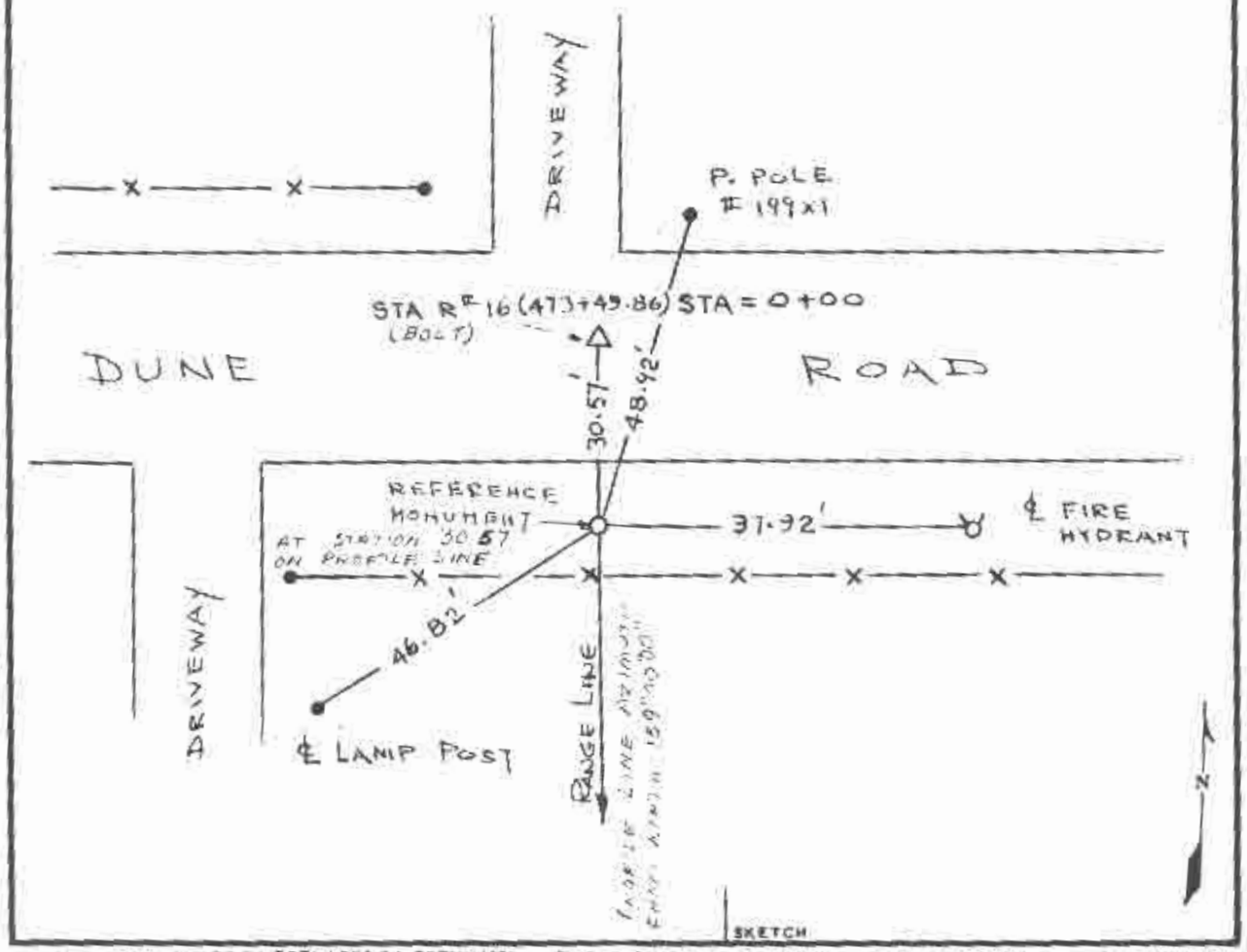
COUNTRY	TYPE OF MARK	STATION CERP PROFILE 16 REF.	
U. S. A.	CONC. MON. WITH DISK	PROFILE R# 16 (473+49.86) MON.	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 30.57' SOUTH	AGENCY (CAST IN MARKS) C.O.E.	ELEVATION (FT) 7.65
LATITUDE 40° 47' 47".2 N	LONGITUDE 72° 38' 20".3 W	DATUM N.A. 1927	DATUM M.L.W.
(NORTHING)(~~EASTING~~) (FT) 210 926.26	(EASTING)(~~NORTHING~~) (FT) 2376831.80	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C.O.E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	339 00 00	° ' "		
WEATHERVANE	98 42 05			
FLAGPOLE (W/WEATHERVANE)	217 37 40			

STATION LOCATED .35 mi EAST OF JESSUP LANE - DUNE RD INTERSECTION AND .65 mi WEST OF BEACH LANE - DUNE RD. INTERSECTION.



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION (TM 5-237)

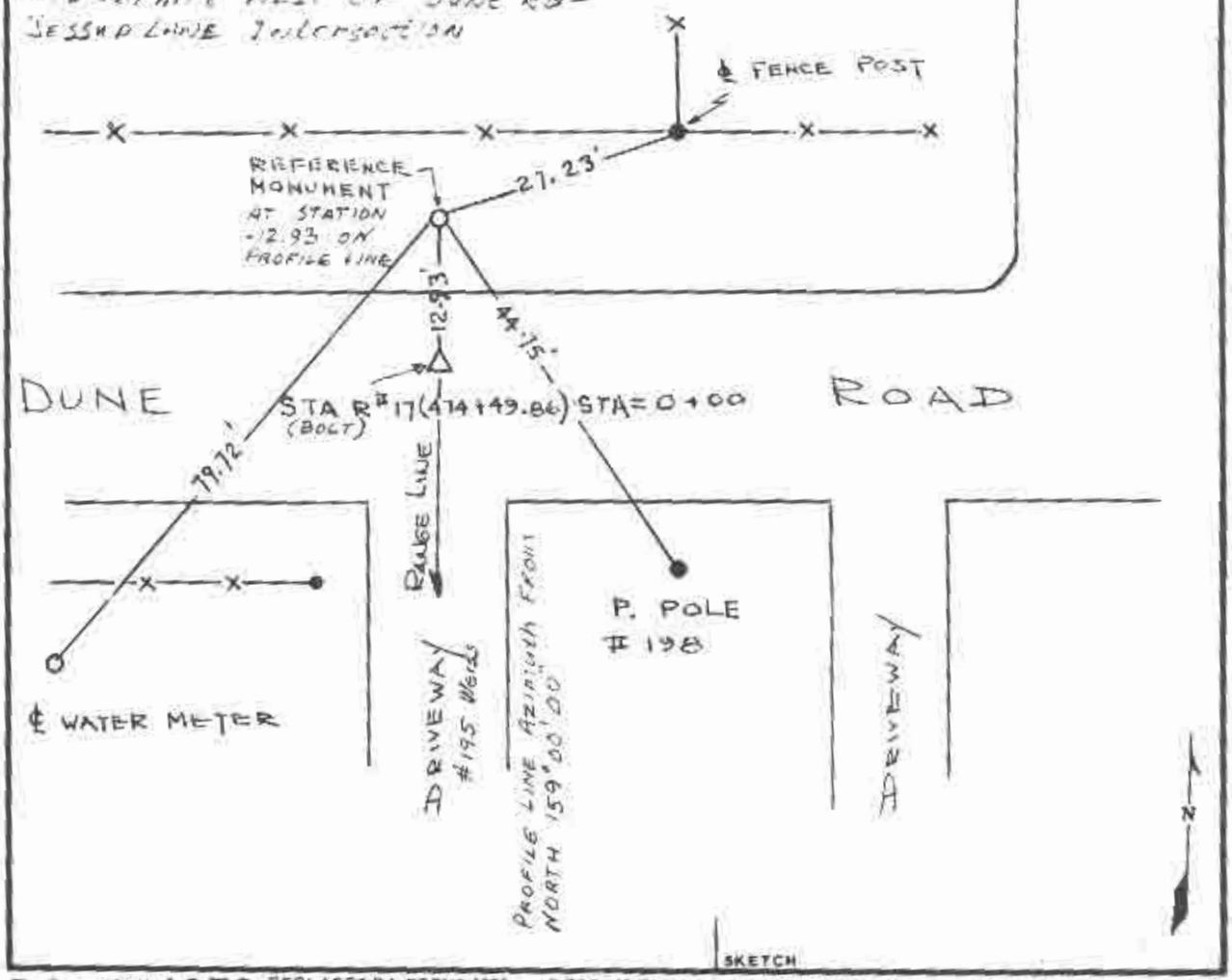
COUNTRY	TYPE OF MARK	STATION CERC PROFILE 17	
U.S.A.	CONC. MON. WITH DISK	PROFILE R# 17(474+49.86) REF. MON	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK -12.93' NORTH	AGENCY (CAST IN MARKS) C.O.E.	ELEVATION (FT) ~~(M)~~ 7.58
LATITUDE 40° 47' 47".3 N	LONGITUDE 72° 38' 21".7 W	DATUM NA 1927	DATUM M.L.W.
(NORTHING)(~~EASTING~~) (FT) ~~(M)~~ 210934.71	(EASTING)(~~NORTHING~~) (FT) ~~(M)~~ 2376727.52	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C.O.E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	339 00 00	° ' "		
℄ WEATHERVANE	101 09 44			
FLAGPOLE (W/WEATHERVANE)	228 58 25			

STATION LOCATED .33 mile EAST OF JESSUPLANE DUNE Rd intersection AND .67 mile WEST OF DUNE Rd-JESSUP LANE Intersection



SKETCH

DA FORM 1 OCT 54 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

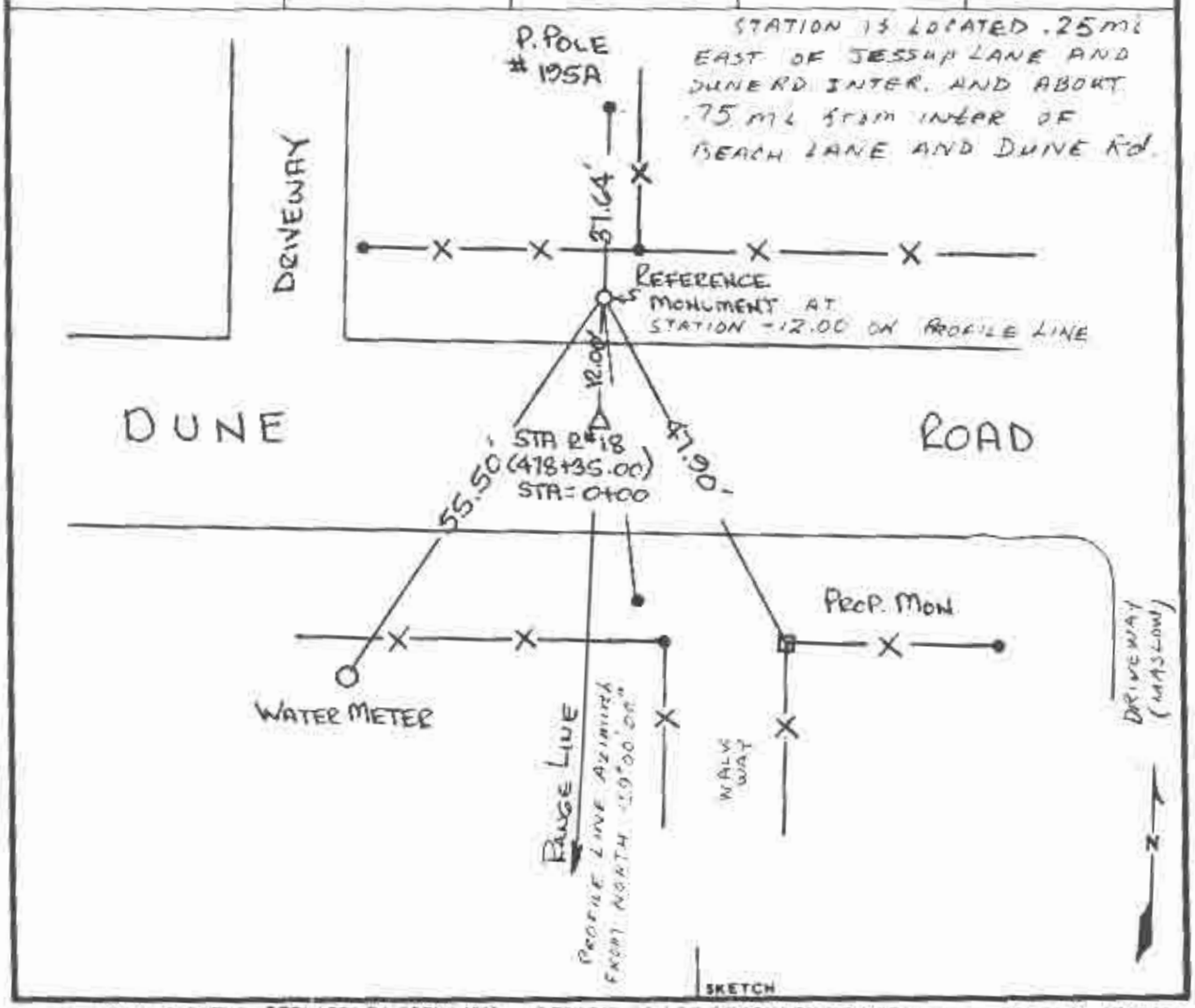
DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION (TM 5-237)

COUNTRY	TYPE OF MARK	STATION CERC PROFILE 18	
U. S. A.	CONC. MON. WITH DISK	PROFILE R#18 (418+35.00) REF. MON	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK - 12.00' NORTH	AGENCY (CAST IN MARKS) C. O. E	ELEVATION (FT) 6.78
LATITUDE 40° 47' 46.1" N	LONGITUDE 72° 38' 26.5" W	DATUM N.A. 1927	DATUM M.L.W.
(NORTHING)(~~EASTING~~) (FT) 210 809.99	(EASTING)(~~NORTHING~~) (FT) 2376363.17	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	339 00 00	° ' "		
TENNIS CLUB FLAGPOLE	64 40 52			
R16 REF MON	256 14 07			



DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1958 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

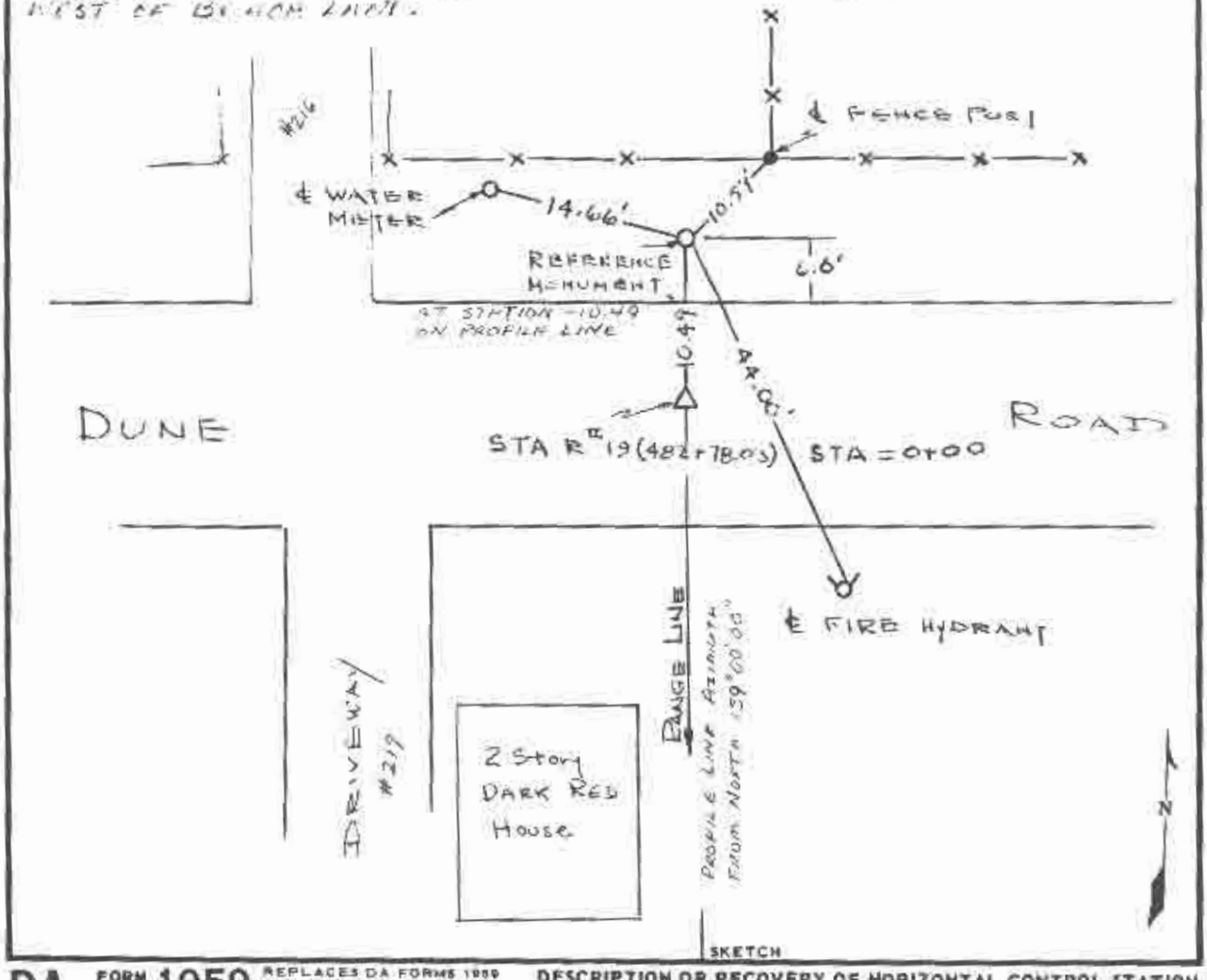
COUNTRY	TYPE OF MARK	STATION	
U. S. A.	CONC MON WITH DISK	CONC PROFILE 19 PROFILE R II 19(482+78.03)	REF. MON.
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK -10.49' NORTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION (FT) 7.93
LATITUDE 40° 47' 44".7 N	LONGITUDE 72° 38' 31".9 W	DATUM N.A. 1927	DATUM M.L.W.
(NORTHING)([redacted]) (FT) 210 666.11	(EASTING)([redacted]) (FT) 2375944.22	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	339° 00' 00"	° ' "		
TENNIS CLUB FLAGPOLE	56 26 56			
℄ FIRE HYDRANT	258 21 03			

STATION IS LOCATED .18 MILES EAST OF JESSUP LANE AND .27 MILES WEST OF BEACH LANE.



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION (TM 5-237)

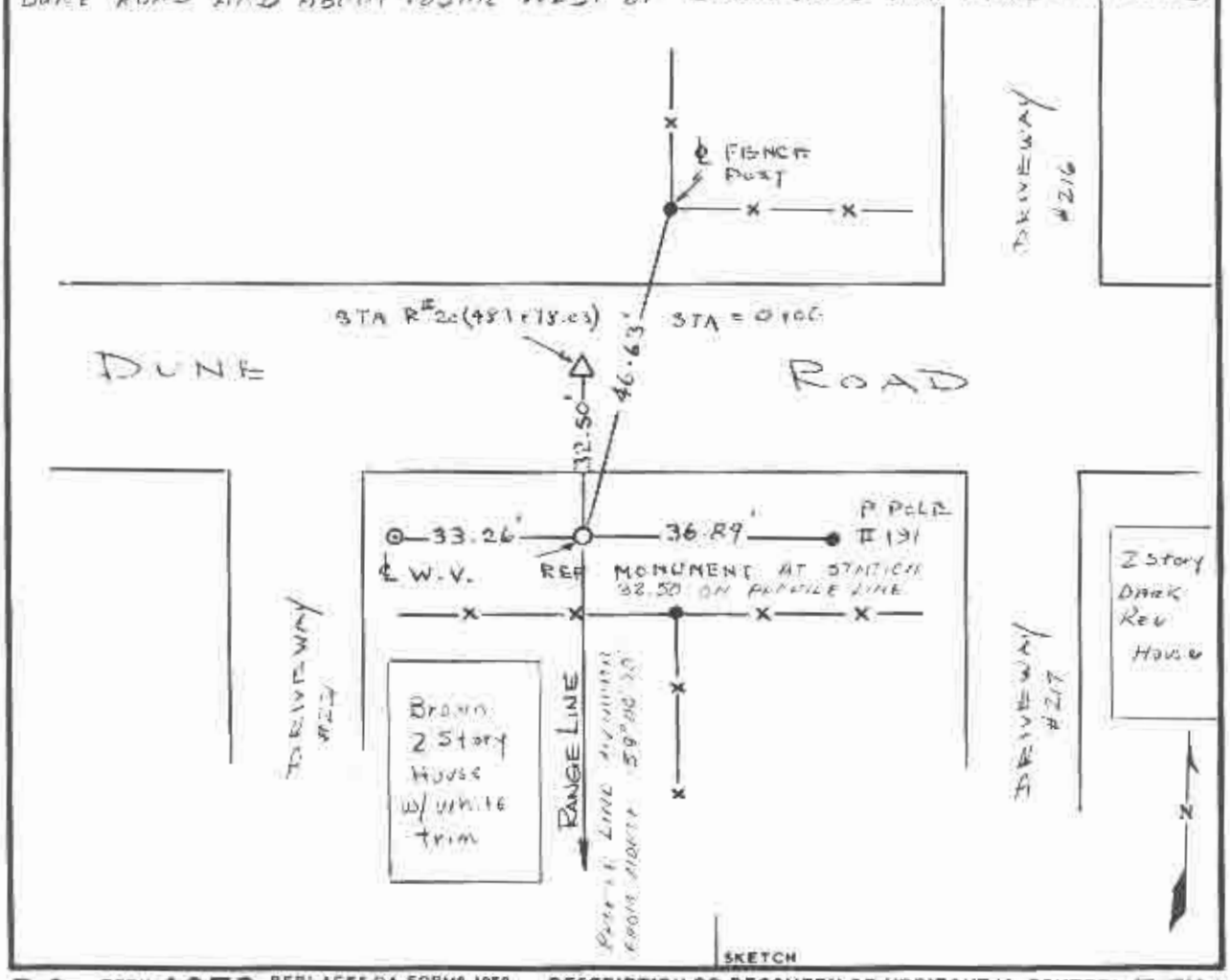
COUNTRY	TYPE OF MARK	STATION CERC PROFILE 20	REF.
U. S. A.	CONC. MON. WITH DISK	PROFILE R#20 (483+78.03)	MON.
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 32.50' SOUTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION (FT) 8.74
LATITUDE 40° 47' 44".0 N	LONGITUDE 72° 38' 31".9 W	DATUM N.A. 1927	DATUM M. L. W.
(NORTHING)(EASTING) (FT) 210 593.82	(EASTING)(NORTHING) (FT) 2375864.93	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GRID)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	339 00 00	° ' "		
ST. MARKS CHURCH SPIRE	163 33 07			
℄ FIRE HYDRANT	251 16 03			

STATION IS LOCATED .15 MI. EAST OF JESSUP LANE INTERSECTION WITH DUNE ROAD AND ABOUT .85 MI. WEST OF BEACH LANE AND DUNE RD. INTERS.



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION (TM 5-237)

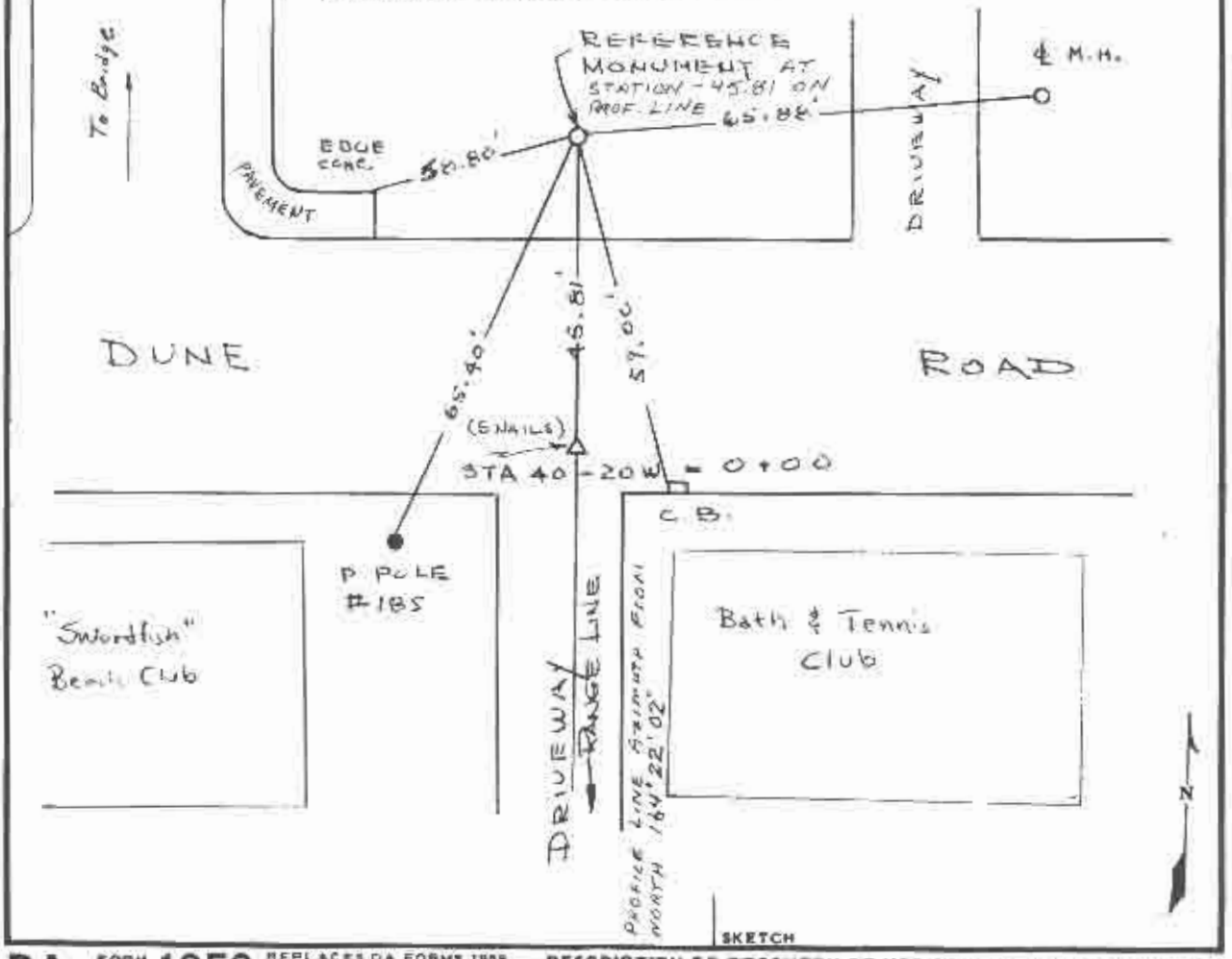
COUNTRY	TYPE OF MARK	STATION CERC PROFILE 26	
U.S.A	CONC MON. WITH DISK	PROFILE 40-20 W (REF. MON)	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK -45.81' NORTH	AGENCY (CAST IN MARKS) C.O.E.	ELEVATION 9.50 (FT) ~~(M)~~
LATITUDE 40° 47' 42.4" N	LONGITUDE 72° 38' 41.7" W	DATUM NORTH AMERICA, 1927	DATUM M.L.W.
(NORTHING)(~~EASTING~~) 210,414.16 (FT) ~~(M)~~	(EASTING)(~~NORTHING~~) 2,375,198.32 (FT) ~~(M)~~	GRID AND ZONE L.I. LAMBERT	ESTABLISHED BY (AGENCY) C.O.E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	344° 22' 02"	° ' "		
EASTPORT WATER TANK	113 09 06			
CHINESE CUPOLA	65 37 15			

STATION IS LOCATED JUST EAST OF THE INTERSECTION OF JESSUP LANE AND DUNE ROAD AND ABOUT 0.97 mi FROM THE INTERSECTION OF DUNE RD AND BEACH LANE.



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION (TM 5-237)

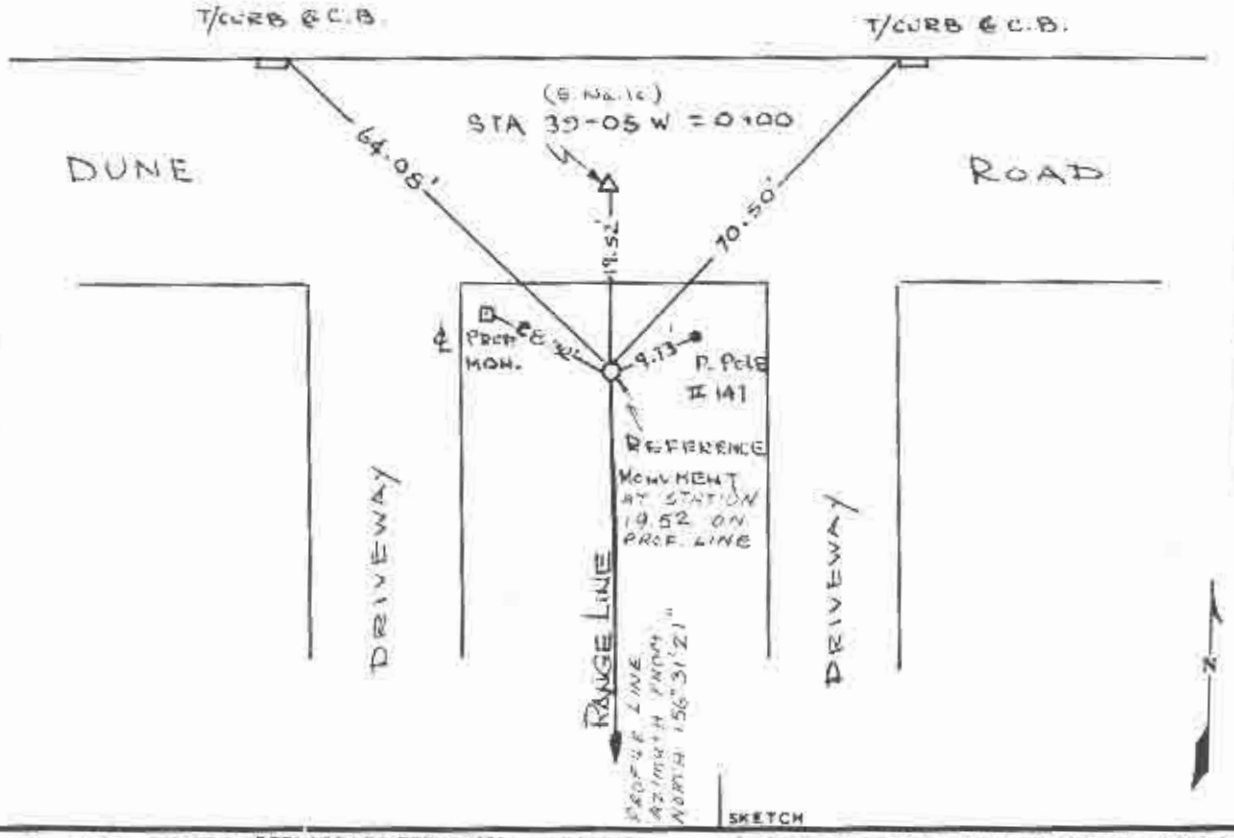
COUNTRY	TYPE OF MARK	STATION CERC PROFILE 07	
U. S. A.	CONC. MON. WITH DISK	PROFILE 39-05 W (REF. MON.)	
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 19.52' SOUTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION (FT) 10.34
LATITUDE 40° 47' 26.3" N	LONGITUDE 72° 39' 39.7" W	DATUM NORTH AMERICA, 1927	DATUM M. L. W.
(NORTHING) (FT) 208,719.72	(EASTING) (FT) 2,370,759.94	GRID AND ZONE L. I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING) (EASTING) (FT) (M)	(EASTING) (NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID)(MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	356° 31' 21"	° ' "		
BO-MAR WATER TANK	155 31 23			
EASTPORT WATER TANK	121 22 48			

STATION IS LOCATED JUST UNDER 1.9 miles WEST OF THE INTERSECTION OF [illegible] AND [illegible] ROADS about 0.1 mile EAST OF PICKET POINT.



SKETCH

DA FORM 1 OCT 54 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

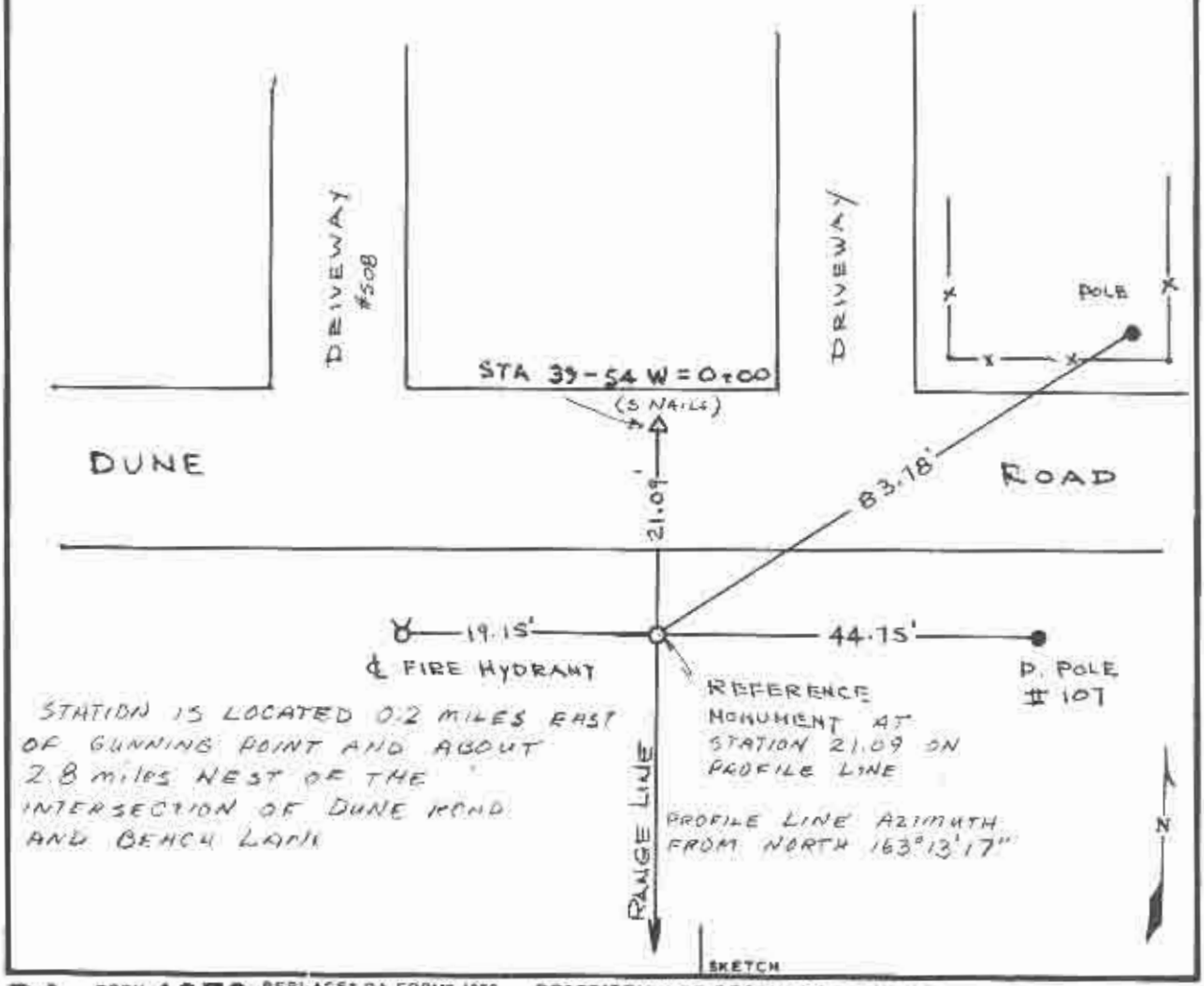
For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

COUNTRY	TYPE OF MARK	STATION	
U S A.	CONC. MON. WITH DISK	PROFILE 39-54 W	REF. MON.
LOCALITY NEW YORK WESTHAMPTON BEACH	STAMPING ON MARK 21.09' SOUTH	AGENCY (CAST IN MARKS) C. O. E.	ELEVATION (FT) 8.50
LATITUDE 40° 47' 09."2 N	LONGITUDE 72° 40' 39."8 W	DATUM NORTH AMERICA 1927	DATUM M. L. W.
(NORTHING)(~~EASTING~~) (FT) 206,918.13	(EASTING)(~~NORTHING~~) (FT) 2,366,166.94	GRID AND ZONE L. I. LAMBERT	ESTABLISHED BY (AGENCY) C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD/SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	343 13 17	° ' "		
WESTHAMPTON HSE ANTENNA	68 49 27			
POWER POLE ABOV HSE #508	127 50 07			



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

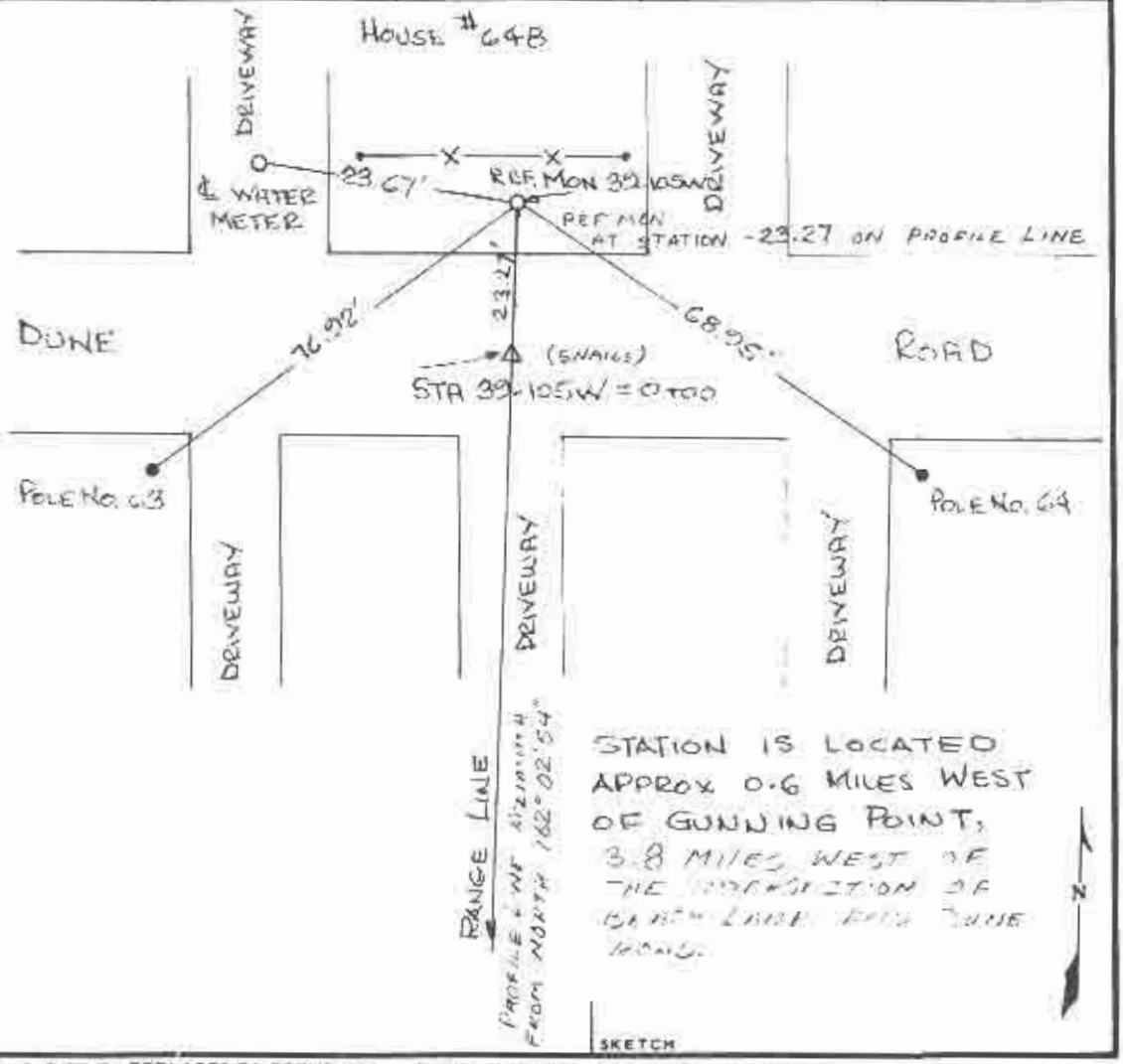
For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

COUNTRY	TYPE OF MARK	STATION CERC PROFILE 09	
U. S. A.	CONC MON WITH DISK	PROFILE 39-105W (REF. MON.)	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARKS)	ELEVATION (FT)
WESTHAMPTON BEACH, N.Y.	-23.27' NORTH	C. O. E.	7.93
LATITUDE	LONGITUDE	DATUM	DATUM
40° 46' 52.2" N	72° 41' 44.4" W	NORTH AMERICA 1927	M. L. W.
(NORTHING)(~~EASTING~~) (FT)	(EASTING)(~~NORTHING~~) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
205,121.87	2,361,226.21	L. I. LAMBERT	C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) (~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	342 02 54	° ' "		
EASTPORT WATER TANK	146 55 33			



SKETCH

DA FORM 1 OCT 54 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 51, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

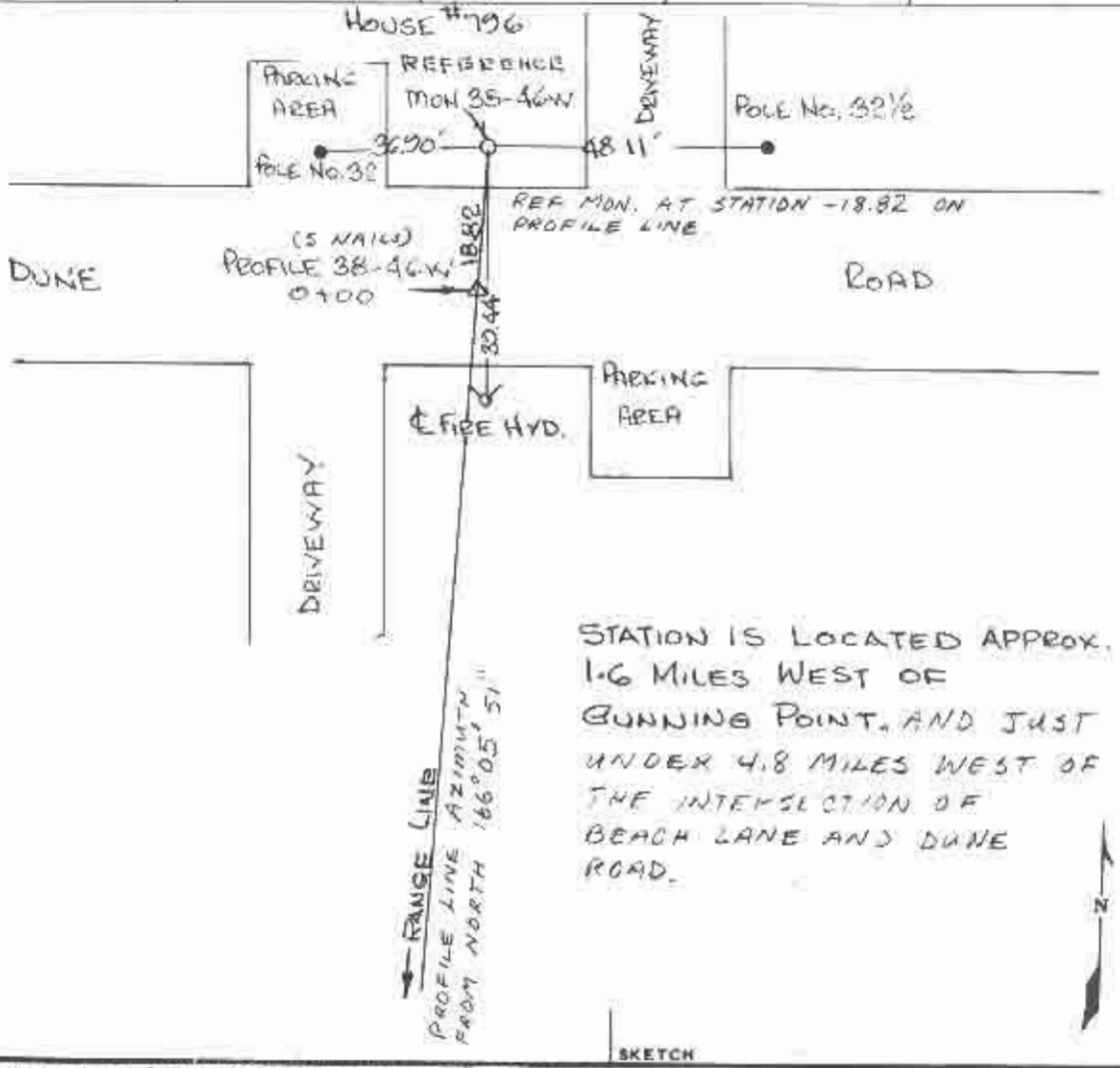
For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

COUNTRY	TYPE OF MARK	STATION CONC PROFILE 78	
U. S. A.	CONC MON WITH DISK	PROFILE 38-46 W (REF. MON.)	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARKS)	ELEVATION (FT)
WESTHAMPTON BEACH, N.Y.	-18.82' NORTH	C. O. E.	6.34
LATITUDE	LONGITUDE	DATUM	DATUM
40° 46' 35".6 N	72° 42' 46".6 W	NORTH AMERICA, 1927	M. L. W.
(NORTHING)(~~EASTING~~) (FT)	(EASTING)(~~NORTHING~~) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
203,374.32	2,356,459.62	L. I. LAMBERT	C. O. E.
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD/SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID) [~~MAGNETIC~~]	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	346° 05' 51"	° ' "		
EASTPORT WATER TANK	162 42 55			



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

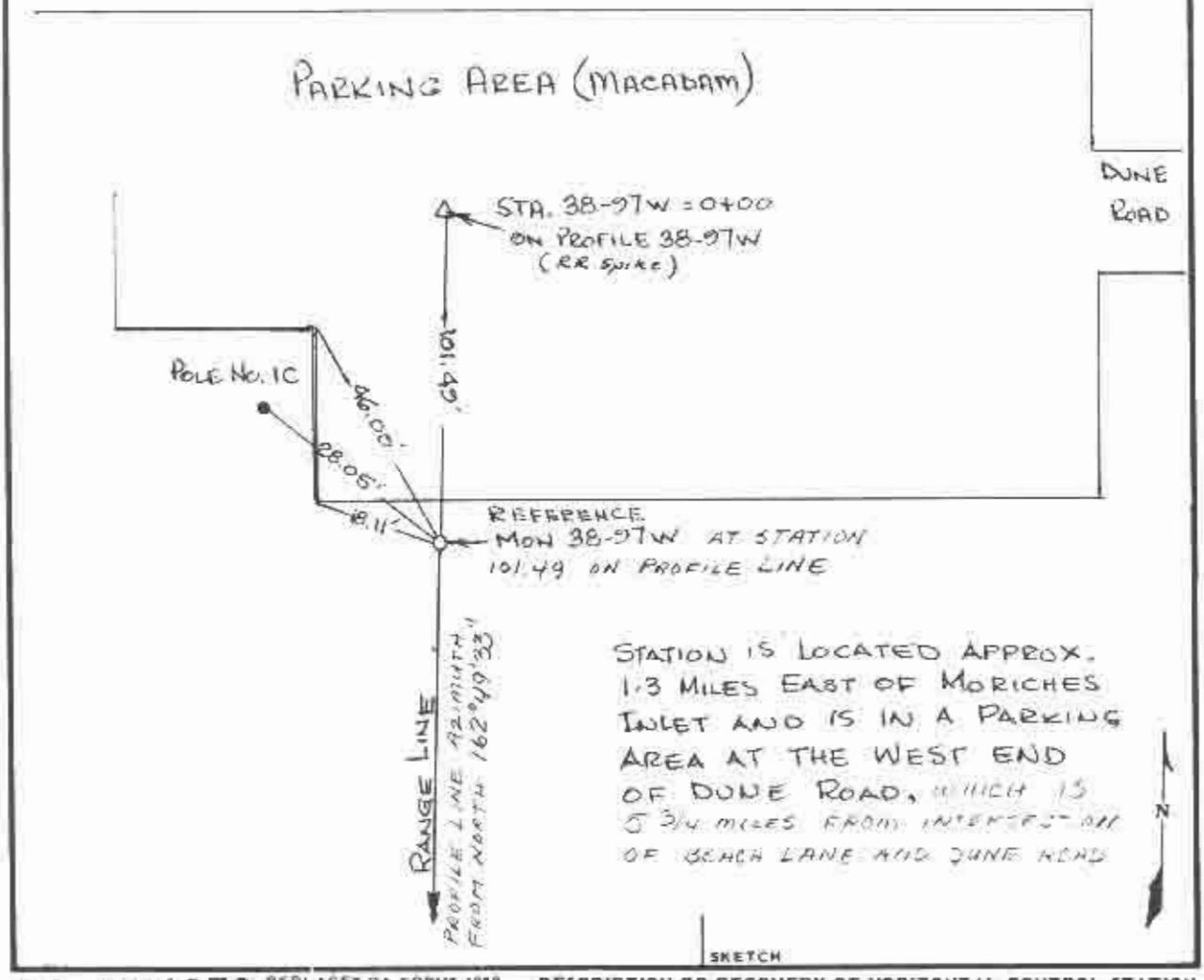
For use of this form, see TM S-237; the proponent agency is U.S. Continental Army Command.

COUNTRY	TYPE OF MARK	STATION ZERO PROFILE 11	
U. S. A.	CONC MON. WITH DISK	PROFILE 38-97 W (REF. MON.)	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARKS)	ELEVATION (FT)
WESTHAMPTON BEACH, N.Y.	101.49' SOUTH	C.O.E.	6.65
LATITUDE	LONGITUDE	DATUM	DATUM
40° 46' 17.6" N	72° 43' 49.0" W	NORTH AMERICA, 1927	M.L.W.
(NORTHING)(~~EASTING~~) (FT)	(EASTING)(~~NORTHING~~) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
201,485.39	2,351,688.78	L. I. LAMBERT	C.O.E
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	DATE 1974 / ORDER THIRD

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN FROM SOUTH GRID AZ. (ADD)(SUB.) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (~~GEODETIC~~)(GRID)(~~MAGNETIC~~)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
RANGE LINE	34° 49' 33"	° ' "		
EASTPORT WATER TANK	178 07 11			
BO-MAR WATER TANK	210 13 44			
MORICHES C.G. ANTENNA	145 41 57			



SKETCH

DA FORM 1 OCT 64 1959 REPLACES DA FORMS 1959 AND 1960, 1 FEB 57, WHICH ARE OBSOLETE.

DESCRIPTION OR RECOVERY OF HORIZONTAL CONTROL STATION

For use of this form, see TM 5-237; the proponent agency is U.S. Continental Army Command.

APPENDIX B

PROFILE LINE SURVEY DATA

The survey data for the Westhampton Beach study are tabulated by profile line number and survey date (in the form YYMMDD). Distances are in feet from the profile line bench mark; elevations are in feet above MLW.

PROFILE 1

DATE 8Nvy	821011 1	DATE 8Nvy	821029 2	DATE 8Nvy	821208 3	DATE 830107 4		DATE 830123 5		DATE 830207 6		DATE 830221 7		DATE 830312 8	
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
419.00	19.70	465.00	20.40	441.00	18.00	0.00	4.00	0.00	4.00	542.00	20.10	535.00	24.00	531.00	26.70
486.00	16.70	517.00	28.10	482.00	20.90	95.00	2.30	4.00	0.00	548.00	15.60	530.00	27.00	537.00	27.20
474.00	19.30	531.00	19.40	517.00	27.80	188.00	5.10	40.00	2.70	550.00	12.90	546.00	23.30	534.00	18.30
493.00	21.40	550.00	12.10	537.00	16.00	281.00	9.20	107.00	3.50	608.00	7.90	562.00	15.00	564.00	12.90
517.00	27.80	563.00	9.00	577.00	9.30	370.00	16.20	182.00	4.90	702.00	3.30	615.00	8.20	585.00	10.20
523.00	27.00	579.00	8.10	670.00	8.30	820.00	20.80	259.00	7.90	728.00	.90	654.00	4.10	686.00	4.70
570.00	8.30	631.00	7.90	669.00	3.90	943.00	17.90	424.00	20.10	803.00	-.60	710.00	3.40	727.00	3.00
631.00	7.90	664.00	8.00	710.00	2.90	958.00	16.60	459.00	16.40			761.00	1.60	812.00	0.00
676.00	8.20	731.00	8.40	741.00	1.90	984.00	19.70	550.00	28.20			818.00	-.20		
720.00	4.50	761.00	.50	756.00	1.10	1111.00	24.50	550.00	16.00						
737.00	3.10	784.00	-.70			1530.00	20.50	592.00	11.30						
760.00	.50					1509.00	16.40	647.00	7.90						
						1567.00	11.20	701.00	4.40						
						1644.00	5.70	732.00	2.80						
						1669.00	4.30	799.00	1.10						
						1667.00	4.40	821.00	.90						
						1728.00	3.20								

PROFILE 1

DATE 8Nvy	830521 9	DATE 8Nvy	830608 10	DATE 8Nvy	830624 11	DATE 830708 12		DATE 830817 13		DATE 830718 14		DATE 830815 15		DATE 830925 16	
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
530.00	28.20	533.00	27.20	553.00	27.20	509.00	23.60	506.00	25.20	544.00	17.90	517.00	26.40	525.00	27.70
560.00	19.70	564.00	14.00	563.00	19.10	549.00	13.00	525.00	24.00	561.00	13.20	524.00	27.90	545.00	17.30
594.00	9.70	567.00	12.90	568.00	12.80	598.00	8.30	545.00	17.60	583.00	9.70	545.00	17.00	555.00	13.70
663.00	9.80	596.00	9.10	608.00	7.50	659.00	3.60	561.00	11.60	611.00	7.70	555.00	13.50	601.00	6.80
699.00	3.90	642.00	6.50	699.00	5.30	717.00	5.90	592.00	9.20	666.00	6.70	579.00	10.00	638.00	8.00
800.00	.50	697.00	5.00	711.00	5.20	741.00	4.50	655.00	6.30	723.00	8.20	615.00	7.50	664.00	8.60
		777.00	1.10	774.00	1.70	758.00	1.50	664.00	6.80	744.00	8.50	650.00	7.00	698.00	7.00
		813.00	.10	828.00	-.40	841.00	-1.60	708.00	6.90	797.00	1.90	700.00	7.50	725.00	5.60
				834.00	-1.70			719.00	6.20	817.00	0.00	752.00	6.60	777.00	2.70
								748.00	7.20			795.00	2.00		
								819.00	.60			820.00	-.20		
								832.00	-.50						

PROFILE 1

DATE 8Nvy	831030 17	DATE 8Nvy	831101 18	DATE 8Nvy	831115 19	DATE 840108 20		DATE 840121 21		DATE 840312 22		DATE 840511 23		DATE 840716 24	
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
519.00	25.10	519.00	25.20	593.00	9.30	517.00	26.10	519.00	26.40	525.00	24.00	520.00	26.00	551.00	24.50
557.00	13.30	557.00	13.30	672.00	11.60	527.00	27.20	527.00	27.30	542.00	18.00	528.00	26.40	530.00	19.70
631.00	6.60	632.00	8.70	655.00	7.70	508.00	18.70	563.00	18.40	568.00	10.00	548.00	17.80	560.00	13.00
678.00	7.20	724.00	7.50	650.00	6.70	560.00	14.00	581.00	9.60	620.00	7.20	582.00	10.30	595.00	7.70
729.00	7.40	771.00	5.20	717.00	7.90	595.00	10.50	692.00	5.20	710.00	5.70	618.00	6.70	658.00	6.60
771.00	5.20	812.00	1.70	767.00	4.80	671.00	7.50	707.00	3.70	763.00	.90	660.00	6.20	727.00	7.40
811.00	1.80	837.00	-.60	828.00	.10	725.00	6.20	751.00	3.20	791.00	0.00	698.00	6.50	763.00	1.60
836.00	-.00					811.00	2.30					725.00	7.20		
												843.00	-1.20		

PROFILE 1

DATE 840916	25	DATE 841109	26	DATE 850218	27	DATE 850412	28	DATE 850527	29	DATE 850816	30	DATE 860127	31	DATE 860419	32
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
523.00	27.20	521.00	26.90	521.00	27.00	519.00	28.20	520.00	26.80	517.00	27.90	515.00	27.80	519.00	27.60
540.00	17.50	542.00	17.00	537.00	17.80	539.00	18.10	540.00	12.50	539.00	18.00	526.00	20.20	554.00	14.00
562.00	12.50	560.00	13.00	578.00	11.70	572.00	12.50	595.00	4.50	559.00	16.00	536.00	16.80	584.00	12.40
610.00	7.50	584.00	9.70	607.00	8.70	602.00	9.40	690.00	9.00	578.00	11.80	544.00	12.20	606.00	8.30
702.00	9.10	677.00	10.30	673.00	5.90	648.00	8.90	745.00	6.80	625.00	8.70	609.00	7.50	660.00	6.90
783.00	1.40	716.00	7.70	722.00	3.10	687.00	5.70	794.00	2.20	719.00	7.70	711.00	2.80	710.00	7.00
819.00	0.00	760.00	6.50	783.00	.50	716.00	6.50	815.00	1.10	760.00	5.60			737.00	6.00
894.00	-1.10	769.00	4.90	814.00	0.00	734.00	4.70			785.00	5.40				
		789.00	2.80							805.00	1.00				

PROFILE 1

DATE 660830		DATE 670113		DATE 670215		DATE 670501		DATE 670726		DATE 670921		DATE 671107		DATE 671204	
BRVY 34		BRVY 35		BRVY 36		BRVY 37		BRVY 38		BRVY 39		BRVY 40		BRVY 41	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
524.00	20.80	539.00	27.10	517.00	28.40	519.00	28.20	519.00	28.00	512.00	25.50	510.00	28.60	522.00	27.50
547.00	18.40	552.00	13.60	541.00	18.80	544.00	15.40	548.00	18.20	535.00	15.30	551.00	12.20	563.00	12.40
561.00	12.40	601.00	9.90	558.00	11.80	595.00	10.20	629.00	9.80	598.00	5.90	642.00	8.20	617.00	9.10
584.00	10.90	655.00	9.50	702.00	4.40	660.00	7.00	670.00	9.70	692.00	1.00	656.00	6.10	660.00	7.60
612.00	7.50	704.00	5.50	762.00	3.20	734.00	-1.80	725.00	6.30	733.00	-.10	751.00	8.20	729.00	8.00
649.00	6.10	763.00	2.00			752.00	-2.00	772.00	8.20	780.00	.80	760.00	6.00	761.00	5.90
696.00	7.70	813.00	.10			768.00	-3.10	783.00	4.70	821.00	1.50	791.00	4.90	801.00	.30
717.00	6.00	840.00	-.10					800.00	2.50			816.00	3.10		
753.00	9.50														
792.00	2.20														
846.00	-1.00														

PROFILE 1

DATE 680105		DATE 680111		DATE 680118		DATE 680128		DATE 680131		DATE 680207		DATE 680214		DATE 680220	
BRVY 42		BRVY 43		BRVY 44		BRVY 45		BRVY 46		BRVY 47		BRVY 48		BRVY 49	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
492.00	22.10	508.00	24.80	507.00	24.60	508.00	24.80	500.00	20.70	504.00	25.00	519.00	24.90	508.00	24.80
513.00	20.50	519.00	28.50	519.00	28.40	515.00	28.00	517.00	28.20	514.00	28.30	517.00	28.30	517.00	28.20
523.00	24.80	530.00	21.80	530.00	21.50	528.00	22.10	548.00	17.10	529.00	21.60	540.00	18.60	529.00	21.20
549.00	21.40	548.00	15.40	542.00	16.40	550.00	16.90	579.00	13.50	549.00	15.45	565.00	12.50	544.00	17.10
570.00	12.70	569.00	12.60	578.00	12.80	570.00	12.20	619.00	9.80	568.00	12.70	615.00	9.20	561.00	13.50
578.00	12.90	589.00	12.50	625.00	9.00	579.00	12.70	670.00	6.70	577.00	12.90	657.00	7.20	601.00	10.80
619.00	9.90	609.00	9.80	677.00	6.00	610.00	9.80	739.00	5.30	611.00	10.00	691.00	5.50	664.00	7.40
665.00	7.40	644.00	7.80	707.00	4.50	659.00	6.80	760.00	5.30	662.00	7.20	722.00	3.60	696.00	5.40
718.00	3.90	682.00	6.20	780.00	2.90	707.00	6.40			717.00	5.40	750.00	3.10	753.00	2.60
783.00	3.30	689.00	3.30	785.00	3.00	747.00	2.90			778.00	2.90	794.00	2.20	774.00	3.60
840.00	1.90	722.00	3.50	817.00	4.40	754.00	3.30			799.00	2.00	843.00	.20	806.00	4.50
889.00	0.00	777.00	3.40	830.00	2.80	775.00	4.90			827.00	1.40				
		814.00	2.90	860.00	-1.00	789.00	5.00								
		848.00	3.10			821.00	2.50								
		887.00	-.60			824.00	1.60								

PROFILE 1

DATE 680228		DATE 680306		DATE 680314		DATE 680322		DATE 680327		DATE 680111		DATE 680117		DATE 680128	
BRVY 50		BRVY 51		BRVY 52		BRVY 53		BRVY 54		BRVY 55		BRVY 56		BRVY 57	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
508.00	24.90	507.00	24.70	508.00	25.10	508.00	28.00	508.00	28.90	500.00	28.10	497.00	23.20	508.00	26.00
515.00	28.30	516.00	28.40	517.00	26.40	517.00	28.20	517.00	28.10	509.00	25.30	504.00	25.40	553.00	14.60
530.00	21.10	531.00	20.80	534.00	19.80	531.00	21.40	530.00	21.10	531.00	18.70	559.00	27.80	580.00	13.80
561.00	13.40	564.00	13.10	588.00	13.10	569.00	13.60	565.00	15.00	566.00	13.90	524.00	20.20	587.00	15.30
576.00	13.90	576.00	14.00	608.00	10.50	619.00	8.90	576.00	13.90	599.00	11.40	560.00	13.90	609.00	9.70
605.00	9.60	599.00	10.20	659.00	5.30	730.00	4.10	609.00	10.10	651.00	7.10	572.00	16.80	647.00	8.60
654.00	7.90	663.00	7.70	719.00	3.30	759.00	3.50	644.00	8.70	704.00	4.50	614.00	9.30	704.00	8.90
680.00	5.40	701.00	6.30	784.00	1.90			698.00	5.20	762.00	2.80	648.00	8.40	746.00	6.00
711.00	6.90	742.00	4.20	855.00	-.50			733.00	4.10	814.00	1.70	724.00	7.60	803.00	1.50
744.00	4.40	808.00	2.10					784.00	1.60	851.00	.60	786.00	.80	868.00	1.00
789.00	3.00							881.00	-.20	888.00	-.50	809.00	-2.30	912.00	-1.00
804.00	1.10														

PROFILE 1

DATE 690207		DATE 690213		DATE 690226		DATE 690310		DATE 690314		DATE 690321		DATE 690618		DATE 690918	
BRVY 58		BRVY 59		BRVY 60		BRVY 61		BRVY 62		BRVY 63		BRVY 64		BRVY 65	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
504.00	26.50	509.00	25.70	506.00	25.40	504.00	25.60	504.00	25.50	492.00	22.10	503.00	23.60	504.00	25.00
512.00	27.70	510.00	27.60	509.00	27.70	508.00	27.80	508.00	27.90	504.00	25.70	518.00	27.50	512.00	27.30
521.00	25.50	521.00	19.90	521.00	19.70	524.00	19.50	522.00	19.70	509.00	28.00	533.00	18.40	540.00	17.90
559.00	13.60	534.00	18.90	568.00	14.80	559.00	14.10	530.00	18.70	525.00	19.30	551.00	14.20	554.00	13.20
582.00	14.30	554.00	14.10	580.00	12.40	588.00	12.60	554.00	13.50	532.00	18.10	585.00	13.50	579.00	14.20
616.00	9.70	562.00	15.10	612.00	9.30	632.00	9.30	576.00	14.20	604.00	10.60	618.00	9.80	624.00	9.70
667.00	6.30	592.00	12.30	664.00	6.60	677.00	9.00	610.00	9.60	639.00	6.80	661.00	9.00	669.00	10.20
707.00	4.30	607.00	8.40	702.00	7.10	684.00	9.60	639.00	8.40	746.00	5.10	718.00	9.60	722.00	10.40
750.00	5.10	670.00	8.30	736.00	4.00	703.00	6.10	682.00	8.40	853.00	5.20	761.00	9.60	749.00	8.30
846.00	.10	727.00	8.10	788.00	1.50	769.00	7.10	744.00	5.40	909.00	-.20	787.00	7.30	804.00	2.60
829.00	-2.40	765.00	6.80			822.00	7.50	849.00	3.80			853.00	2.60	828.00	.10
		805.00	.20			868.00	1.90	914.00	-.60			903.00	-4.40		
		871.00	.10			917.00	-1.40	964.00	-3.80						
		955.00	-6.00			984.00	-4.40	1004.00	-6.30						
						1046.00	-12.00								

PROFILE 1

DATE 8MYY	691125	DATE 8MYY	691224	DATE 8MYY	700115	DATE 8MYY	700122	DATE 8MYY	700129	DATE 8MYY	700211	DATE 8MYY	700218	DATE 8MYY	700225
TIME	67 1200	TIME	68 1200	TIME	69 1200	TIME	70 1200	TIME	71 1200	TIME	72 1200	TIME	73 1200	TIME	74 1200
503.00	24.50	503.00	24.30	512.00	24.10	513.00	26.00	513.00	26.00	512.00	26.00	513.00	26.20	515.00	17.80
513.00	24.60	513.00	24.60	544.00	12.70	557.00	12.80	559.00	14.00	534.00	17.50	536.00	17.50	558.00	12.80
534.00	18.20	534.00	18.20	576.00	14.50	563.00	10.20	574.00	19.00	534.00	13.20	558.00	12.90	574.00	14.80
556.00	13.40	558.00	13.40	612.00	10.50	604.00	11.00	597.00	12.90	573.00	15.00	577.00	14.70	597.00	12.80
575.00	14.40	575.00	13.40	650.00	7.50	628.00	11.00	629.00	10.00	597.00	12.60	597.00	12.70	626.00	10.40
608.00	10.50	608.00	14.60	690.00	5.40	671.00	5.80	678.00	5.30	621.00	11.00	656.00	7.10	665.00	6.70
650.00	10.70	633.00	10.10	709.00	3.50	716.00	3.40	702.00	5.00	676.00	5.30	705.00	2.10	697.00	3.00
658.00	9.10	666.00	6.70	725.00	.60	758.00	4.70	770.00	4.00	727.00	1.50	744.00	1.00	736.00	.40
770.00	6.50	741.00	6.20	774.00	1.70	827.00	.40	807.00	2.30			795.00	-2.00	842.00	-1.40
783.00	2.40	783.00	3.00	800.00	1.70	843.00	-1.40	825.00	1.10						
815.00	-.50	826.00	-.60	842.00	.30										

PROFILE 1

DATE 8MYY	700305	DATE 8MYY	700312	DATE 8MYY	700318	DATE 8MYY	700407	DATE 8MYY	700412	DATE 8MYY	700930	DATE 8MYY	701201	DATE 8MYY	701218
TIME	75 1200	TIME	76 1200	TIME	77 1200	TIME	78 1200	TIME	79 1200	TIME	80 1200	TIME	81 1200	TIME	82 1200
536.00	17.30	537.00	17.50	539.00	17.70	537.00	17.20	500.00	23.50	540.00	14.90	534.00	17.50	541.00	16.40
564.00	13.00	558.00	13.00	555.00	12.70	557.00	12.40	521.00	27.70	558.00	12.40	558.00	12.40	556.00	12.30
571.00	15.40	575.00	15.50	572.00	14.90	575.00	14.90	533.00	19.10	574.00	14.90	578.00	14.70	574.00	14.60
597.00	12.80	597.00	12.50	597.00	12.60	629.00	9.30	552.00	11.90	596.00	12.30	596.00	12.00	594.00	12.30
648.00	8.30	642.00	8.70	645.00	6.50	669.00	7.00	576.00	14.40	621.00	9.50	629.00	9.10	630.00	9.70
700.00	6.20	679.00	7.10	685.00	6.70	715.00	6.00	601.00	12.10	667.00	6.30	671.00	8.90	666.00	7.00
756.00	1.90	712.00	4.60	727.00	4.10	757.00	2.30	651.00	7.50	711.00	7.00	704.00	4.80	704.00	5.20
847.00	-2.10	752.00	3.90	771.00	4.40	783.00	1.00	701.00	5.90	745.00	5.30	748.00	.70	741.00	5.80
		787.00	1.10	810.00	-.10	830.00	1.40	751.00	7.80	787.00	7.30	806.00	-1.30	786.00	.20
		817.00	-1.30	839.00	-2.30	862.00	-1.20	753.00	4.00	806.00	.90	871.00	-2.60		
						827.00	-2.00	781.00	1.30	823.00	-1.60				
								818.00	2.40						
								851.00	-.50						

PROFILE 1

DATE 8MYY	710108	DATE 8MYY	710218	DATE 8MYY	710309	DATE 8MYY	710408	DATE 8MYY	710609	DATE 8MYY	710811	DATE 8MYY	711008	DATE 8MYY	711201
TIME	83 1200	TIME	84 1200	TIME	85 1200	TIME	86 1200	TIME	87 1200	TIME	88 1200	TIME	89 1200	TIME	90 1200
541.00	17.90	537.00	17.30	530.00	16.20	509.00	26.20	559.00	17.60	537.00	17.70	506.00	25.70	578.00	15.60
556.00	12.90	554.00	12.80	597.00	15.00	521.00	23.80	558.00	15.10	579.00	15.50	504.00	24.10	623.00	11.50
574.00	14.80	574.00	15.70	579.00	15.00	533.00	18.60	573.00	16.00	623.00	11.10	547.00	17.70	673.00	9.70
596.00	12.40	594.00	12.00	596.00	12.50	553.00	12.80	590.00	12.50	658.00	9.50	559.00	13.10	727.00	5.50
621.00	10.20	601.00	10.40	617.00	10.50	577.00	15.00	637.00	9.00	701.00	9.70	574.00	15.40	793.00	1.00
661.00	7.50	655.00	7.70	656.00	9.00	594.00	17.50	659.00	6.50	743.00	6.00	579.00	15.50	868.00	-.50
711.00	8.30	727.00	6.50	694.00	3.40	627.00	10.30	680.00	6.80	773.00	2.40	673.00	11.10	873.00	-1.00
756.00	5.50	747.00	4.00	710.00	5.70	655.00	8.60	699.00	7.40	789.00	.20	656.00	9.40		
786.00	.20	774.00	-1.40	747.00	3.70	694.00	6.60	725.00	7.00	805.00	-1.00	701.00	4.80		
808.00	-1.40	798.00	-2.60	794.00	-2.20	735.00	3.10	735.00	6.50			731.00	8.40		
						769.00	-.90	769.00	1.60			746.00	6.20		
						782.00	-2.10	780.00	-1.00			746.00	3.50		
								797.00	-2.80			778.00	2.10		
												801.00	-.70		

PROFILE 1

DATE 8MYY	720103	DATE 8MYY	720131	DATE 8MYY	720203	DATE 8MYY	720222	DATE 8MYY	720301	DATE 8MYY	720328	DATE 8MYY	720531	DATE 8MYY	720808
TIME	91 1200	TIME	92 1200	TIME	93 1200	TIME	94 1200	TIME	95 1200	TIME	96 1200	TIME	97 1200	TIME	98 1200
542.00	17.30	529.00	19.50	540.00	15.60	551.00	13.40	524.00	20.10	535.00	16.30	528.00	20.60	517.00	20.30
559.00	13.80	554.00	13.60	587.00	15.20	573.00	15.80	554.00	15.60	557.00	13.90	541.00	16.50	557.00	14.00
579.00	15.60	580.00	15.50	623.00	11.80	580.00	15.80	575.00	15.70	575.00	15.80	557.00	14.00	579.00	15.90
610.00	12.50	619.00	12.00	636.00	10.00	609.00	13.00	580.00	15.70	580.00	15.60	574.00	15.90	624.00	10.80
623.00	11.90	658.00	9.60	674.00	6.50	640.00	8.10	604.00	13.10	606.00	13.30	579.00	15.60	659.00	8.60
671.00	9.30	680.00	9.50	733.00	3.90	652.00	7.20	622.00	10.10	649.00	9.00	602.00	13.70	695.00	7.30
712.00	7.70	703.00	9.30	778.00	-.80	669.00	6.10	639.00	8.10	688.00	5.20	623.00	10.80	731.00	9.00
761.00	3.90	737.00	5.50			693.00	5.60	660.00	6.30	746.00	6.30	643.00	7.80	734.00	7.90
785.00	-.10	798.00	-1.00			728.00	6.30	705.00	8.80	759.00	4.60	711.00	5.20	808.00	-.10
810.00	-.80	800.00	-3.30			758.00	0.00	762.00	.20	774.00	2.90	745.00	5.30	861.00	-2.50
								799.00	-2.50	796.00	1.20	774.00	6.30		
								845.00	-.50	812.00	.30	796.00	2.70		
								904.00	-.80	830.00	-.50	827.00	.80		
								953.00	-2.10			841.00	.20		
												894.00	-.40		

PROFILE 1

DATE	721003	DATE	721206	DATE	730103	DATE	730206	DATE	730313	DATE	730316	DATE	730326	DATE	730403
SRVY	99	SRVY	100	SRVY	101	SRVY	102	SRVY	103	SRVY	104	SRVY	105	SRVY	106
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
522.00	20.30	522.00	20.20	524.00	19.70	523.00	19.90	524.00	21.30	534.00	16.70	516.00	21.40	521.00	21.00
541.00	18.10	549.00	19.20	549.00	14.00	549.00	18.10	547.00	19.80	547.00	15.90	544.00	19.20	547.00	18.00
562.00	14.20	572.00	16.00	579.00	16.10	579.00	16.20	579.00	16.20	579.00	16.50	545.00	15.20	561.00	15.10
579.00	15.80	608.00	14.40	605.00	14.30	627.00	11.60	603.00	14.20	596.00	18.60	579.00	16.40	579.00	16.00
604.00	13.40	627.00	11.60	624.00	11.60	669.00	7.80	632.00	10.90	622.00	11.60	601.00	14.40	607.00	14.30
623.00	10.80	687.00	10.20	665.00	8.00	731.00	3.00	633.00	8.40	649.00	7.90	612.00	13.10	624.00	10.00
664.00	8.80	718.00	10.00	707.00	5.90	744.00	6.50	674.00	5.00	674.00	8.80	623.00	10.80	659.00	8.10
695.00	7.00	750.00	5.10	753.00	4.40	780.00	2.10	729.00	1.30	705.00	6.70	654.00	7.30	704.00	8.00
724.00	8.10	780.00	1.90	811.00	5.60	829.00	-1.10	754.00	1.30	726.00	5.00	671.00	5.80	736.00	8.10
744.00	6.20	813.00	-.20	845.00	.00	858.00	-1.80	819.00	2.00	759.00	5.50	703.00	2.10	784.00	6.90
799.00	4.80	835.00	-.40	885.00	-3.00			867.00	.00	790.00	2.60	724.00	-.90	829.00	2.30
834.00	1.10							894.00	-1.40	825.00	1.00			869.00	-.60
867.00	-1.00									862.00	-.10				
										867.00	-1.10				

PROFILE 1

DATE	730612	DATE	730911	DATE	731219
SRVY	107	SRVY	108	SRVY	109
TIME	1200	TIME	1200	TIME	1200
521.00	20.10	519.00	20.90	516.00	20.90
543.00	18.20	540.00	18.30	546.00	18.50
570.00	15.80	559.00	15.20	579.00	16.90
579.00	16.30	579.00	16.00	672.00	12.30
600.00	14.40	607.00	14.00	641.00	9.30
624.00	11.10	624.00	10.50	707.00	6.50
653.00	8.90	665.00	8.60	745.00	4.40
686.00	8.10	691.00	8.30	749.00	2.10
709.00	9.20	729.00	8.80	841.00	.90
727.00	9.00	761.00	8.90	870.00	-.50
757.00	8.40	771.00	7.80		
781.00	6.90	816.00	7.70		
819.00	1.90	820.00	4.00		
836.00	-.60	853.00	.20		
		872.00	-.90		

PROFILE 2

DATE	621011	DATE	621129	DATE	621206	DATE	630107	DATE	630125	DATE	630207	DATE	630221	DATE	630312
SRVY	1	SRVY	2	SRVY	3	SRVY	4	SRVY	5	SRVY	6	SRVY	7	SRVY	8
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
61.00	5.10	473.00	19.80	444.00	19.50	0.00	5.00	5.00	8.90	530.00	24.00	527.00	26.70	525.00	25.80
72.00	5.00	501.00	21.80	526.00	20.70	80.00	5.30	14.00	8.20	574.00	12.00	544.00	17.80	528.00	26.90
143.00	11.30	527.00	25.80	567.00	15.20	148.00	11.90	60.00	8.70	617.00	8.50	572.00	12.60	549.00	16.10
229.00	10.90	553.00	20.20	635.00	5.70	364.00	13.30	149.00	11.60	659.00	8.80	606.00	8.80	574.00	12.70
314.00	10.00	544.00	19.30	893.00	2.00	424.00	13.70	347.00	11.70	688.50	7.50	698.00	5.40	611.00	9.00
404.00	12.30	552.00	18.00			467.00	18.20	412.00	13.70	741.00	.40	715.00	6.00	660.00	8.70
460.00	15.90	584.00	11.50			506.00	21.00	508.00	21.40			775.00	-1.20	704.00	4.00
501.00	21.70	617.00	9.70			537.00	26.50	534.00	26.20					715.00	2.50
551.00	20.10	658.00	9.80			557.00	17.10	564.00	19.80					785.00	-.70
545.00	18.20	684.00	8.30			581.00	12.30	588.00	12.30						
576.00	15.00	703.00	7.00			631.00	7.30	614.00	7.90						
584.00	10.70	720.00	1.50			674.00	6.20	689.00	4.60						
608.00	8.60	778.00	-.80			682.00	4.90	709.00	3.90						
643.00	8.30					712.00	4.90	790.00	-.50						
675.00	6.90					755.00	1.80								
720.00	4.00														
755.00	2.40														
809.00	1.10														

PROFILE 2

DATE	630321	DATE	630409	DATE	630424	DATE	630508	DATE	630613	DATE	630710	DATE	630813	DATE	630929
SRVY	9	SRVY	10	SRVY	11	SRVY	12	SRVY	13	SRVY	14	SRVY	15	SRVY	16
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
520.00	26.30	527.00	24.20	528.00	25.70	528.00	25.40	496.00	22.70	613.00	8.70	522.00	24.40	524.00	26.30
548.00	17.30	545.00	18.50	591.00	17.10	547.00	18.50	522.00	26.20	687.00	8.80	550.00	16.90	576.00	11.40
592.00	9.70	590.00	9.70	585.00	10.80	575.00	12.30	559.00	19.90	709.00	8.70	584.00	13.00	611.00	8.70
615.00	8.70	611.00	9.00	614.00	8.00	609.00	6.70	577.00	11.20	722.00	7.30	615.00	9.00	651.00	6.40
653.00	8.70	660.00	8.60	691.00	7.70	651.00	8.60	613.00	8.70	742.00	7.20	646.00	8.80	690.00	9.00
692.00	5.10	704.00	8.10	797.00	1.00	699.00	8.40	650.00	8.60	758.00	6.10	701.00	8.70	750.00	4.20
751.00	1.80	769.00	0.00	798.00	-.80	779.00	4.10	684.00	8.70	802.00	1.20	724.00	7.50	779.00	2.30
778.00	0.00			830.00	-1.40			734.00	5.60	822.00	.10	752.00	7.10	802.00	1.30
								780.00	1.10			789.00	5.10		
								821.00	.30			820.00	.20		

PROFILE 2

DATE 851050 BHVY 17 TIME 1200		DATE 851101 BHVY 18 TIME 1200		DATE 851115 BHVY 19 TIME 1200		DATE 860108 BHVY 20 TIME 1200		DATE 860121 BHVY 21 TIME 1200		DATE 860512 BHVY 22 TIME 1200		DATE 860511 BHVY 23 TIME 1200		DATE 860715 BHVY 24 TIME 1200	
530.00	26.50	537.00	26.00	584.00	13.10	523.00	26.90	522.00	26.80	557.00	15.80	526.00	27.00	525.00	27.00
572.00	15.00	572.00	15.00	592.00	11.90	551.00	16.90	545.00	18.00	591.00	10.90	532.00	22.00	546.00	17.90
592.00	11.40	593.00	11.50	639.00	7.90	577.00	12.00	577.00	12.00	624.00	7.30	576.00	11.70	565.00	13.60
641.00	8.90	640.00	8.90	687.00	6.20	651.00	8.40	620.00	7.20	676.00	6.00	619.00	9.00	613.00	9.00
693.00	6.90	693.00	6.80	716.00	4.60	699.00	5.80	663.00	5.70	699.00	6.60	671.00	6.20	664.00	6.50
783.00	3.50	742.00	3.50	782.00	.40	739.00	2.20	693.00	4.00	732.00	5.60	723.00	1.10	712.00	3.10
789.00	1.60	798.00	1.50					734.00	2.40	739.00	.10				
834.00	-.60	834.00	-.60												

PROFILE 2

DATE 860910 BHVY 25 TIME 1200		DATE 861105 BHVY 26 TIME 1200		DATE 850218 BHVY 27 TIME 1200		DATE 850512 BHVY 28 TIME 1200		DATE 850427 BHVY 29 TIME 1200		DATE 870816 BHVY 30 TIME 1200		DATE 860127 BHVY 31 TIME 1200		DATE 860418 BHVY 32 TIME 1200	
527.00	27.40	519.00	27.00	517.00	27.40	549.00	16.90	573.00	27.00	523.00	26.90	525.00	28.10	524.00	27.90
562.00	18.80	560.00	13.00	505.00	16.70	608.00	10.00	565.00	16.20	569.00	17.40	546.00	19.10	551.00	17.00
579.00	11.20	597.00	10.00	608.00	10.00	661.00	6.70	595.00	16.90	571.00	12.90	567.00	10.50	636.00	7.00
621.00	8.60	642.00	7.60	654.00	7.20	699.00	7.20	640.00	8.10	636.00	8.10	625.00	8.00	688.00	6.70
675.00	6.30	727.00	5.00	695.00	6.00	719.00	6.60	685.00	7.80	681.00	6.20	707.00	2.70	710.00	4.70
753.00	1.80	756.00	5.00	766.00	0.00			734.00	5.00	720.00	7.60				
825.00	-.00	734.00	3.00					764.00	6.20	750.00	6.20				
		797.00	3.70					815.00	.50	780.00	0.00				

PROFILE 2

DATE 860630 BHVY 33 TIME 1200		DATE 860830 BHVY 34 TIME 1200		DATE 870113 BHVY 35 TIME 1200		DATE 870415 BHVY 36 TIME 1200		DATE 870603 BHVY 37 TIME 1200		DATE 870728 BHVY 38 TIME 1200		DATE 870923 BHVY 39 TIME 1200		DATE 871107 BHVY 40 TIME 1200	
524.00	27.10	521.00	27.00	523.00	27.40	524.00	27.80	529.00	27.50	522.00	25.50	520.00	28.70	522.00	27.90
555.00	18.90	549.00	17.50	570.00	20.10	560.00	20.20	551.00	17.00	548.00	17.60	548.00	17.00	546.00	17.10
571.00	11.90	572.00	13.20	619.00	6.90	559.00	16.70	574.00	6.20	569.00	13.00	604.00	8.20	585.00	12.60
632.00	6.00	625.00	9.00	670.00	6.60	615.00	9.20	590.00	5.10	654.00	13.00	615.00	9.00	635.00	8.40
691.00	7.90	666.00	9.10	710.00	3.30	650.00	8.60			607.00	10.50	706.00	5.90	674.00	6.60
753.00	-.40	734.00	5.50	759.00	-.10	695.00	3.80			651.00	7.60	771.00	5.80	709.00	5.30
		778.00	1.60							669.00	7.10	788.00	3.70	750.00	4.00
		834.00	-.10							729.00	2.70			796.00	2.70

PROFILE 2

DATE 871206 BHVY 41 TIME 1200		DATE 880108 BHVY 42 TIME 1200		DATE 880121 BHVY 43 TIME 1200		DATE 880119 BHVY 44 TIME 1200		DATE 880128 BHVY 45 TIME 1200		DATE 880131 BHVY 46 TIME 1200		DATE 850207 BHVY 47 TIME 1200		DATE 880214 BHVY 48 TIME 1200	
528.00	28.70	444.00	19.95	503.00	28.50	495.00	22.50	492.00	23.40	517.00	28.30	516.00	25.30	506.00	25.20
560.00	15.90	493.00	22.40	515.00	28.20	509.00	25.00	503.00	25.40	524.00	25.20	520.00	26.20	516.00	28.20
602.00	8.50	503.00	24.35	538.00	19.10	514.00	28.00	515.00	28.60	558.00	14.50	504.00	17.50	541.00	18.60
684.00	5.40	514.00	27.95	555.00	14.60	529.00	22.00	530.00	21.70	572.00	13.50	561.00	14.30	564.00	14.30
739.00	5.00	533.00	20.35	566.00	14.20	559.00	15.00	560.00	17.00	608.00	8.80	581.00	13.20	581.00	13.20
800.00	5.40	509.00	18.15	580.00	13.90	564.00	13.00	559.00	14.80	644.00	8.00	616.00	8.50	591.00	10.70
822.00	5.70	558.00	14.50	599.00	10.90	624.00	7.80	566.00	14.40	673.00	7.30	655.00	6.10	638.00	8.10
		594.00	10.85	639.00	6.20	666.00	4.70	589.00	12.80	727.00	1.20	691.00	4.80	733.00	.10
		633.00	6.50	684.00	3.90	711.00	1.80	610.00	8.30	750.00	-.10	728.00	.40	729.00	-1.80
		669.00	5.35	731.00	2.80	761.00	2.00	653.00	4.00						
		706.00	2.50	754.00	2.40	787.00	1.40	701.00	5.50						
		749.00	2.70	776.00	2.10			748.00	1.90						
		809.00	0.00					772.00	1.40						
								783.00	.80						

PROFILE 2

DATE 880230 BHVY 49 TIME 1200		DATE 880228 BHVY 50 TIME 1200		DATE 880306 BHVY 51 TIME 1200		DATE 880314 BHVY 52 TIME 1200		DATE 880322 BHVY 53 TIME 1200		DATE 880327 BHVY 54 TIME 1200		DATE 881119 BHVY 55 TIME 1200		DATE 890117 BHVY 56 TIME 1200	
504.00	26.70	511.00	28.00	512.00	25.10	508.00	26.00	504.00	24.80	485.00	22.80	519.00	28.90	490.00	26.90
510.00	28.10	529.00	23.70	503.00	18.10	515.00	28.10	510.00	28.20	511.00	26.30	525.00	25.80	517.00	28.10
533.00	21.60	559.00	14.80	573.00	14.10	531.00	21.30	526.00	27.70	514.00	28.30	534.00	22.00	524.00	27.00
559.00	14.60	585.00	12.90	603.00	10.90	559.00	14.80	564.00	18.80	541.00	18.20	559.00	15.70	550.00	15.40
590.00	13.20	623.00	8.10	659.00	9.70	580.00	12.90	604.00	8.80	598.00	11.20	580.00	13.00	580.00	13.70
607.00	9.70	680.00	6.30	680.00	6.10	634.00	8.50	704.00	6.20	646.00	6.10	591.00	11.00	585.00	11.10
633.00	6.00	704.00	5.80	705.00	5.00	683.00	3.70	733.00	5.20	680.00	6.10	620.00	7.50	599.00	9.60
663.00	4.70					734.00	.90			738.00	-.80	657.00	4.40	621.00	7.90
689.00	4.40											688.00	.40	661.00	3.80
												702.00	-.30	725.00	-.20
												733.00	-2.20	742.00	-1.90

PROFILE 2

DATE 890139 SHVY 57 TIME 1200		DATE 890207 SHVY 58 TIME 1200		DATE 890213 SHVY 59 TIME 1200		DATE 890228 SHVY 61 TIME 1200		DATE 890312 SHVY 62 TIME 1200		DATE 890314 SHVY 63 TIME 1200		DATE 890321 SHVY 64 TIME 1200		DATE 890418 SHVY 65 TIME 1200	
543.00	17.90	543.00	17.80	543.00	17.90	545.00	18.00	543.00	17.90	543.00	18.00	491.00	19.00	522.00	28.10
561.00	14.80	561.00	18.80	561.00	18.70	566.00	14.70	559.00	14.80	561.00	14.90	481.00	20.00	551.00	18.80
560.00	13.80	578.00	15.00	577.00	14.00	578.00	13.90	577.00	13.60	570.00	14.10	479.00	21.90	542.00	13.60
593.00	11.90	582.00	11.60	593.00	10.60	610.00	11.00	585.00	8.90	576.00	8.60	494.00	22.00	542.00	10.50
643.00	6.90	606.00	8.20	614.00	8.70	623.00	8.50	613.00	7.00	623.00	7.00	513.00	24.00	630.00	6.60
670.00	4.70	636.00	7.60	654.00	6.70	651.00	5.80	626.00	6.70	671.00	1.80	520.00	21.10	679.00	7.70
753.00	-1.80	679.00	4.60	686.00	0.40	676.00	2.00	676.00	.90	723.00	1.50	548.00	17.10	717.00	7.70
		721.00	-.60	739.00	.90			728.00	.60	803.00	-1.00	578.00	14.10	754.00	7.10
		838.00	-2.60	748.00	-1.50			793.00	-.10	849.00	-3.00	587.00	9.20	807.00	1.50
				822.00	-.90			884.00	-2.10	943.00	-5.90	691.00	2.50	867.00	-2.70
				912.00	-.40			953.00	-8.10			721.00	-.90		
												769.00	-2.00		
												839.00	-2.20		

PROFILE 2

DATE 890918 SHVY 66 TIME 1200		DATE 891129 SHVY 67 TIME 1200		DATE 891220 SHVY 68 TIME 1200		DATE 900119 SHVY 69 TIME 1200		DATE 900122 SHVY 70 TIME 1200		DATE 900128 SHVY 71 TIME 1200		DATE 900211 SHVY 72 TIME 1200		DATE 900218 SHVY 73 TIME 1200	
519.00	28.30	519.00	28.00	519.00	28.00	518.00	28.00	520.00	28.00	519.00	28.00	516.00	28.50	518.00	28.50
543.00	19.00	530.00	22.90	530.00	22.90	527.00	20.10	544.00	17.00	544.00	17.90	559.00	18.90	544.00	17.90
569.00	14.00	568.00	17.80	544.00	17.80	544.00	18.20	562.00	14.80	560.00	14.70	574.00	14.50	562.00	14.80
577.00	14.30	559.00	15.90	560.00	14.70	557.00	15.30	571.00	14.00	577.00	14.10	561.00	14.10	577.00	14.10
582.00	11.30	579.00	14.00	577.00	13.90	575.00	14.50	621.00	14.00	585.00	10.80	596.00	9.40	607.00	9.70
600.00	8.80	583.00	12.70	582.00	11.60	587.00	10.10	624.00	9.50	602.00	8.40	659.00	10.00	646.00	10.20
621.00	7.00	627.00	9.60	622.00	7.20	619.00	8.50	646.00	9.70	657.00	8.80	697.00	11.20	699.00	11.40
669.00	8.40	670.00	11.30	693.00	8.40	700.00	9.60	704.00	9.40	702.00	9.30	756.00	2.30	726.00	7.40
713.00	9.80	708.00	12.10	744.00	9.90	767.00	5.80	755.00	6.10	738.00	7.20	786.00	-1.30	729.00	7.10
745.00	8.10	748.00	12.80	816.00	3.30	815.00	6.10	811.00	6.60	779.00	7.20			757.00	5.30
800.00	2.80	792.00	9.40	868.00	0.00	851.00	4.50	836.00	2.50	827.00	2.30			796.00	.60
816.00	-.10	808.00	9.60	916.00	-2.40	887.00	.30	882.00	-.60	850.00	.10			817.00	-2.00
		832.00	8.00			941.00	-2.70								
		895.00	1.60												
		920.00	4.00												

PROFILE 2

DATE 700125 SHVY 74 TIME 1200		DATE 700328 SHVY 75 TIME 1200		DATE 700312 SHVY 76 TIME 1200		DATE 700318 SHVY 77 TIME 1200		DATE 700407 SHVY 78 TIME 1200		DATE 700412 SHVY 79 TIME 1200		DATE 700430 SHVY 80 TIME 1200		DATE 701201 SHVY 81 TIME 1200	
518.00	28.10	544.00	17.80	544.00	17.80	544.00	18.10	544.00	17.90	544.00	17.90	544.00	17.80	562.00	18.70
544.00	17.80	561.00	14.70	560.00	14.70	560.00	15.00	561.00	14.70	554.00	15.00	571.00	14.70	574.00	14.10
559.00	14.90	578.00	14.30	577.00	14.20	581.00	14.20	577.00	13.90	560.00	13.90	570.00	13.70	592.00	9.90
576.00	10.20	593.00	9.60	590.00	10.40	596.00	9.40	585.00	11.20	584.00	10.80	590.00	11.10	657.00	10.10
596.00	9.10	638.00	10.10	600.00	10.20	644.00	10.30	590.00	9.70	598.00	9.30	626.00	9.70	681.00	11.10
642.00	10.20	698.00	11.30	690.00	11.30	691.00	11.30	645.00	10.20	651.00	10.40	671.00	10.70	707.00	10.80
699.00	9.20	786.00	8.60	741.00	7.20	761.00	7.40	695.00	11.00	698.00	10.90	706.00	10.40	755.00	6.40
723.00	7.90	848.00	-.40	786.00	3.80	786.00	5.50	738.00	7.10	729.00	8.50	731.00	8.60	798.00	2.80
768.00	4.40	892.00	-3.80	827.00	-.10	821.00	1.10	776.00	4.20	762.00	5.10	758.00	5.80	825.00	-1.60
796.00	3.00			848.00	-1.80	873.00	-1.90	808.00	1.20	784.00	4.70	786.00	3.40	849.00	-2.10
855.00	.40							863.00	.60	804.00	1.90	791.00	3.00		
928.00	-5.10							918.00	-.50	820.00	.40	826.00	-2.10		
								978.00	-2.70	857.00	0.00				
										877.00	-1.10				

PROFILE 2

DATE 701210 SHVY 82 TIME 1200		DATE 710104 SHVY 83 TIME 1200		DATE 710212 SHVY 84 TIME 1200		DATE 710309 SHVY 85 TIME 1200		DATE 710406 SHVY 86 TIME 1200		DATE 710509 SHVY 87 TIME 1200		DATE 710811 SHVY 88 TIME 1200		DATE 711008 SHVY 89 TIME 1200	
558.00	14.70	544.00	18.00	544.00	17.80	544.00	17.80	544.00	17.80	544.00	17.80	544.00	18.20	544.00	18.10
574.00	14.00	550.00	14.80	543.00	14.00	561.00	14.60	566.00	14.90	560.00	14.70	561.00	14.80	562.00	14.70
579.00	13.80	585.00	11.00	575.00	14.00	574.00	14.50	587.00	14.40	579.00	14.10	575.00	14.60	575.00	14.70
584.00	10.80	629.00	10.60	579.00	14.70	580.00	14.20	594.00	11.80	580.00	11.80	560.00	14.10	584.00	12.50
597.00	10.00	669.00	10.00	597.00	11.20	587.00	11.20	627.00	11.80	616.00	11.40	616.00	11.80	633.00	11.80
634.00	10.50	695.00	9.20	629.00	10.50	629.00	10.30	659.00	11.50	674.00	9.80	640.00	11.20	679.00	12.40
669.00	10.80	720.00	8.80	697.00	11.20	675.00	10.60	701.00	8.50	709.00	10.10	678.00	10.40	697.00	8.20
700.00	7.80	746.00	8.40	725.00	7.60	717.00	8.30	744.00	9.60	733.00	6.60	729.00	6.60	720.00	6.80
746.00	5.20	794.00	2.80	775.00	3.50	749.00	5.20	792.00	1.30	761.00	2.40	750.00	2.20	745.00	2.50
796.00	1.20	828.00	-.10	808.00	0.00	771.00	.40	817.00	-1.50	784.00	.50	771.00	.80	761.00	.60
		884.00	-1.95	858.00	-1.20	802.00	-2.30			807.00	-2.60	793.00	-1.00	781.00	-1.10

PROFILE 2

DATE 8HVY TIME	731271 90 1200	DATE 8HVY TIME	720105 91 1200	DATE 8HVY TIME	720131 92 1200	DATE 8HVY TIME	720205 93 1200	DATE 8HVY TIME	720222 94 1200	DATE 8HVY TIME	720301 95 1200	DATE 8HVY TIME	720328 96 1200	DATE 8HVY TIME	720531 97 1200
594.00	16.10	544.00	18.00	521.00	28.80	553.00	16.90	520.00	28.90	528.00	28.60	521.00	28.60	528.00	28.50
561.00	15.40	575.00	14.70	520.00	25.80	580.00	15.00	520.00	25.90	528.00	25.90	526.00	25.60	528.00	25.10
580.00	13.40	587.00	12.00	550.00	14.70	603.00	12.10	549.00	17.00	547.00	17.60	552.00	14.60	548.00	17.70
583.00	12.80	628.00	11.60	571.00	15.40	628.00	12.20	576.00	15.30	562.00	15.10	576.00	15.40	570.00	15.60
626.00	11.00	656.00	11.00	605.00	11.80	655.00	11.60	606.00	13.70	575.00	15.30	618.00	10.50	569.00	14.70
653.00	12.00	708.00	7.70	624.00	11.90	663.00	9.70	638.00	8.20	611.00	11.30	676.00	7.00	604.00	11.60
702.00	8.40	754.00	4.30	670.00	10.10	695.00	5.80	667.00	5.90	640.00	7.90	736.00	4.20	637.00	9.30
750.00	3.20	767.00	4.60	696.00	9.00	738.00	4.00	690.00	4.40	690.00	5.30	791.00	2.10	666.00	9.70
772.00	2.10			712.00	5.40	776.00	4.20	731.00	3.30	740.00	3.70	809.00	.70	724.00	7.70
805.00	-.90			762.00	4.00	838.00	.80	771.20	2.00	790.00	2.30	832.00	-.70	767.00	5.70
				774.00	3.00			793.00	.30	842.00	.70			784.00	2.70
				802.00	-.50					893.00	-1.50			829.00	1.10
				811.00	-1.70									847.00	.40
														871.00	-.40

PROFILE 2

DATE 8HVY TIME	720849 98 1200	DATE 8HVY TIME	721055 99 1200	DATE 8HVY TIME	721205 100 1200	DATE 8HVY TIME	730103 101 1200	DATE 8HVY TIME	730206 102 1200	DATE 8HVY TIME	730213 103 1200	DATE 8HVY TIME	730316 104 1200	DATE 8HVY TIME	730324 105 1200
520.00	25.70	521.00	28.50	546.00	19.50	540.00	28.70	550.00	28.70	539.00	28.70	599.00	15.70	565.00	16.70
528.00	25.80	528.00	25.70	565.00	16.80	546.00	25.60	540.00	25.80	546.00	25.70	604.00	14.70	574.00	17.20
546.00	18.40	546.00	18.40	574.00	16.30	564.00	19.00	565.00	18.50	564.00	17.60	641.00	8.90	583.00	16.20
585.00	14.50	572.00	16.00	593.00	15.50	581.00	16.10	580.00	16.20	597.00	16.60	677.00	6.90	592.00	16.90
615.00	10.70	584.00	14.10	598.00	12.70	612.00	15.50	601.00	14.40	606.00	14.00	709.00	7.50	603.00	15.40
661.00	10.10	614.00	10.50	620.00	10.00	621.00	12.00	632.00	13.30	629.00	11.00	744.00	4.60	615.00	13.20
697.00	9.60	664.00	10.00	659.00	7.60	652.00	9.80	670.00	8.90	630.00	10.10	782.00	3.10	630.00	10.20
727.00	9.90	702.00	8.60	709.00	4.10	698.00	7.00	727.00	6.30	653.00	9.80	819.00	1.80	660.00	7.40
787.00	.70	719.00	8.30	744.00	2.60	726.00	5.10	801.00	1.40	665.00	6.50	839.00	.40	665.00	5.30
829.00	-2.60	752.00	6.10	789.00	1.40	738.00	2.00	880.00	-.60	717.00	1.70	900.00	-1.00	717.00	.90
		784.00	6.00	859.00	-.50	782.00	1.30			754.00	2.30			727.00	-.10
		824.00	1.60			832.00	.50			803.00	2.60				
		849.00	-2.50			862.00	-1.30			875.00	.50				
										911.00	-1.30				

PROFILE 2

DATE 8HVY TIME	730403 106 1200	DATE 8HVY TIME	730512 107 1200	DATE 8HVY TIME	730911 108 1200	DATE 8HVY TIME	731218 109 1200
545.00	18.60	545.00	18.60	565.00	18.40	585.00	16.20
543.00	16.70	583.00	16.00	599.00	16.00	615.00	14.00
593.00	17.00	605.00	14.80	621.00	11.80	625.00	11.90
636.00	14.80	620.00	11.40	675.00	7.10	660.00	10.00
636.00	9.70	650.00	8.20	693.00	6.90	695.00	8.40
665.00	7.60	690.00	6.60	730.00	9.00	735.00	6.60
707.00	5.60	735.00	7.60	762.00	14.20	765.00	5.20
753.00	3.40	762.00	8.50	792.00	8.50	808.00	5.80
805.00	2.60	774.00	7.20	801.00	6.90	848.00	2.30
855.00	1.20	790.00	7.70	828.00	1.20	875.00	.70
905.00	-.40	802.00	7.70	861.00	-.40	885.00	-.60
920.00	-1.30	822.00	4.40				
		849.00	.60				
		866.00	-1.30				

PROFILE 3

DATE 8HVY TIME	621011 1 1200	DATE 8HVY TIME	621029 2 1200	DATE 8HVY TIME	621208 3 1200	DATE 8HVY TIME	630107 4 1200	DATE 8HVY TIME	630123 5 1200	DATE 8HVY TIME	630207 6 1200	DATE 8HVY TIME	630221 7 1200	DATE 8HVY TIME	630312 8 1200
358.00	10.50	408.00	14.40	399.00	14.40	0.00	9.70	1.00	9.60	634.00	10.30	390.00	13.20	416.00	20.20
390.00	13.40	534.00	8.90	415.00	19.80	73.00	5.20	8.00	9.40	648.00	11.90	418.00	19.70	433.00	19.10
408.00	19.90	554.00	6.80	437.00	18.70	147.00	9.70	72.00	6.90	510.00	8.40	450.00	17.20	437.00	19.80
500.00	12.40	584.00	2.40	502.00	13.00	176.00	2.30	140.00	9.40	542.00	7.00	502.00	12.80	452.00	17.20
560.00	7.60	625.00	.90	540.00	7.00	215.00	13.90	176.00	8.10	577.00	8.80	512.00	10.10	560.00	13.00
601.00	3.50	658.00	-.80	594.00	2.40	234.00	14.60	218.00	13.60	636.00	-1.10	545.00	7.70	513.00	11.50
622.00	.10					244.00	18.30	234.00	10.90			595.00	3.40	579.00	7.80
						262.00	15.80	244.00	14.00			644.00	.80	623.00	3.20
						284.00	14.30	262.00	14.40			688.00	-.80	648.00	0.00
						324.00	10.80	287.00	14.10						
						338.00	12.60	324.00	16.70						
						366.00	10.60	336.00	17.40						
						390.00	13.10	360.00	16.30						
						434.00	14.50	408.00	18.80						
						450.00	17.10	434.00	16.60						
						490.00	14.00	440.00	17.20						
						594.00	4.60	491.00	2.20						
						619.00	1.60	640.00	-.80						
						655.00	0.00								

PROFILE 8

DATE 8MYY	4	DATE 8MYY	10	DATE 8MYY	11	DATE 8MYY	12	DATE 8MYY	13	DATE 8MYY	14	DATE 8MYY	15	DATE 8MYY	16
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
417.00	20.10	438.0	19.80	420.00	19.80	399.00	20.30	405.00	20.10	501.00	12.20	411.00	19.30	434.00	15.40
442.00	19.90	444.00	17.70	442.00	19.50	442.00	19.10	444.00	19.10	511.00	10.00	434.00	18.90	532.00	9.00
453.00	17.20	499.00	12.80	451.00	12.90	452.00	17.30	455.00	14.40	530.00	8.65	441.00	18.60	598.00	7.80
497.00	12.80	510.00	10.20	559.00	7.70	502.00	12.70	503.00	12.10	595.00	7.65	470.00	18.10	624.00	4.15
513.00	9.80	550.00	8.30	590.00	7.40	512.00	10.10	511.00	10.10	624.00	5.70	476.00	15.20	649.00	2.80
547.00	8.00	620.00	.80	660.00	.90	552.00	8.20	531.00	8.70	679.00	1.50	523.00	14.30		
565.00	8.10	644.00	.40	770.00	1.10	592.00	8.20	595.00	7.60	700.00	-.10	541.00	9.80		
599.00	4.80					661.00	-.50	634.00	3.10			571.00	8.50		
625.00	2.30							681.00	.40			599.00	8.70		
638.00	.80							712.00	-.70			605.00	4.30		
652.00	.10											674.00	1.60		
												705.00	-.10		

PROFILE 9

DATE 8MYY	17	DATE 8MYY	18	DATE 8MYY	19	DATE 8MYY	20	DATE 8MYY	21	DATE 8MYY	22	DATE 8MYY	23	DATE 8MYY	24
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
431.00	21.20	428.00	21.20	505.00	13.30	418.00	19.80	423.00	18.80	479.00	18.20	419.00	18.80	419.00	18.90
476.00	18.60	478.00	18.00	572.00	8.80	429.00	20.60	427.00	21.30	513.00	10.00	417.00	18.90	488.00	17.30
520.00	10.00	518.00	10.10	653.00	6.70	471.00	17.30	455.00	18.70	620.00	1.20	478.00	14.60	526.00	8.70
670.00	5.70	668.00	5.60	706.00	3.50	559.00	6.50	504.00	12.35	660.00	.90	505.00	11.40	591.00	8.00
789.00	-.70	758.00	-.60	730.00	.90	592.00	4.90	514.00	9.70	702.00	-.10	541.00	7.10	619.00	4.80
						626.00	2.30	580.00	4.60			583.00	7.90		
								594.00	2.50			640.00	-.10		
								609.00	1.50						

PROFILE 3

DATE 8MYY	25	DATE 8MYY	26	DATE 8MYY	27	DATE 8MYY	28	DATE 8MYY	29	DATE 8MYY	30	DATE 8MYY	31	DATE 8MYY	32
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
421.00	19.90	422.00	20.10	419.00	20.00	451.00	20.20	420.00	19.70	433.00	19.40	435.00	19.70	431.00	20.40
452.00	20.20	478.00	16.50	454.00	19.90	489.00	16.70	477.00	15.70	469.00	16.90	447.00	17.20	500.00	11.20
474.00	16.20	521.00	10.60	498.00	15.10	551.00	8.30	510.00	10.50	530.00	8.60	515.00	9.40	532.00	9.40
515.00	13.60	563.00	7.30	518.00	10.30	564.00	6.80	554.00	8.40	580.00	6.60	570.00	6.10	565.00	6.70
547.00	9.80	627.00	6.20	536.00	7.90	613.00	4.20	581.00	7.70	625.00	5.80				
621.00	5.50	649.00	3.00	635.00	5.00			637.00	4.50	647.00	3.00				
646.00	.90			649.00	4.70			654.00	1.80						
712.00	3.00							678.00	.40						

PROFILE 8

DATE 8MYY	33	DATE 8MYY	34	DATE 8MYY	35	DATE 8MYY	36	DATE 8MYY	37	DATE 8MYY	38	DATE 8MYY	39	DATE 8MYY	40
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
475.00	16.40	416.00	19.80	442.00	20.90	418.70	20.10	402.00	20.70	430.00	20.60	416.00	20.10	418.00	20.30
515.00	10.40	453.00	19.60	515.00	11.10	436.00	20.50	409.00	19.70	513.00	10.50	442.00	14.80	431.00	21.60
546.00	7.70	463.00	17.20	537.00	8.40	489.00	15.60	412.00	20.30	560.00	8.10	496.00	12.90	469.00	17.20
615.00	1.50	511.00	14.00	547.00	7.60	529.00	9.80	475.00	18.40	577.00	6.60	498.00	10.40	514.00	9.40
		572.00	8.00	635.00	1.70	573.00	7.90	509.00	16.10	619.00	4.10	506.00	5.20	545.00	8.70
		607.00	5.50	671.00	.60	608.00	6.00	581.00	7.60	637.00	3.60	605.00	6.20	568.00	9.70
		623.00	4.00					591.00	3.50	649.00	3.20	625.00	2.70	587.00	7.20
		641.00	.60											617.00	6.20
		665.00	-.60											632.00	5.20
														639.00	3.20

PROFILE 9

DATE 8MYY	41	DATE 8MYY	42	DATE 8MYY	43	DATE 8MYY	44	DATE 8MYY	45	DATE 8MYY	46	DATE 8MYY	47	DATE 8MYY	48
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
438.00	21.50	365.00	22.00	401.00	21.40	418.70	20.30	417.00	20.40	418.00	20.40	417.00	20.40	417.00	20.40
522.00	9.10	395.00	20.50	417.00	20.30	438.00	21.30	427.00	21.20	438.00	21.30	433.00	21.20	439.00	21.00
561.00	8.90	417.00	20.30	436.00	19.40	478.00	17.30	453.00	21.20	469.00	20.00	477.00	16.60	475.00	17.10
628.00	1.80	436.00	21.20	452.00	21.00	500.00	11.50	455.00	19.40	478.00	18.40	513.00	9.50	515.00	9.80
672.00	1.30	467.00	19.30	473.00	17.50	526.00	7.80	475.00	17.00	505.00	11.10	530.00	8.90	551.00	5.60
720.00	.50	484.00	18.30	495.00	16.40	565.00	2.60	487.00	11.00	531.00	7.60	566.00	5.80	579.00	1.80
		506.00	10.70	528.00	7.40	607.00	2.90	514.00	8.20	545.00	7.00	629.00	4.10	620.00	.40
		540.00	6.70	566.00	4.10	640.00	2.50	537.00	6.70	554.00	1.60	645.00	4.30		
		576.00	3.40	607.00	4.20	661.00	2.00	563.00	4.90	570.00	1.30	671.00	2.50		
		610.00	2.40	670.00	2.40	679.00	1.10	597.00	4.40						
		720.00	.90					653.00	.90						

PROFILE 2

DATE 8MYY TIME	680220 49 1200	DATE 8MYY TIME	680228 50 1200	DATE 8MYY TIME	680306 51 1200	DATE 8MYY TIME	680314 52 1200	DATE 8MYY TIME	680322 53 1200	DATE 8MYY TIME	680327 54 1200	DATE 8MYY TIME	681119 55 1200	DATE 8MYY TIME	690117 56 1200
399.00	21.30	395.00	21.00	396.00	21.10	396.00	21.30	417.00	20.50	401.00	21.30	401.00	21.90	384.00	12.00
418.00	20.10	417.00	20.20	418.00	20.20	417.00	20.10	439.00	20.70	418.00	20.00	418.00	20.40	396.00	22.00
441.00	20.90	450.00	20.00	432.00	21.00	436.00	21.10	476.00	19.30	433.00	21.00	425.00	20.40	419.00	20.40
471.00	17.50	479.00	16.00	470.00	17.70	471.00	17.30	504.00	11.80	478.00	16.40	429.00	21.50	436.00	21.00
502.00	10.80	510.00	10.00	494.00	12.80	495.00	12.60	529.00	9.70	504.00	10.70	451.00	19.30	478.00	17.00
539.00	6.70	547.00	8.20	563.00	6.20	523.00	8.90	560.00	6.10	547.00	6.00	475.00	17.70	483.00	11.80
559.00	3.90	567.00	5.20	598.00	7.00	560.00	5.40	590.00	3.10	572.00	5.30	478.00	11.20	539.00	7.10
599.00	5.20	604.00	2.80	608.00	4.70	609.00	2.10			603.00	2.00	495.00	5.00	578.00	3.40
614.00	3.70	620.00	.80	613.00	2.00	624.00	1.30			618.00	1.00	570.00	5.10	653.00	.50
												602.00	2.70	669.00	-.50
												638.00	-.00		
												654.00	-1.10		
												673.00	-2.00		

PROFILE 3

DATE 8MYY TIME	690129 57 1200	DATE 8MYY TIME	690207 58 1200	DATE 8MYY TIME	690214 59 1200	DATE 8MYY TIME	690224 60 1200	DATE 8MYY TIME	690226 61 1200	DATE 8MYY TIME	690310 62 1200	DATE 8MYY TIME	690314 63 1200	DATE 8MYY TIME	690321 64 1200
416.00	20.80	418.00	20.40	418.00	20.40	409.00	21.80	431.00	21.00	418.00	20.30	418.00	20.20	384.00	12.40
437.00	21.90	437.00	22.00	428.00	20.90	416.00	20.80	436.00	21.60	428.00	20.50	424.00	20.80	399.00	22.10
475.00	17.90	474.00	17.00	436.00	22.00	430.00	20.90	478.00	18.50	438.00	21.70	437.00	22.00	409.00	22.30
485.00	12.00	465.00	11.40	474.00	18.10	436.00	22.00	483.00	11.60	453.00	20.10	455.00	20.10	418.00	20.80
524.00	6.10	524.00	7.10	490.00	11.60	538.00	6.00	503.00	9.00	468.00	9.20	469.00	8.90	429.00	21.10
562.00	2.90	546.00	6.80	525.00	7.60	570.00	3.60	524.00	4.30	498.00	6.50	554.00	8.00	437.00	22.40
622.00	1.50	605.00	1.10	575.00	6.20	583.00	3.00	542.00	6.00	546.00	5.50	558.00	4.90	453.00	20.00
687.00	1.00	644.00	.90	732.00	2.80			577.00	3.60	608.00	0.00	604.00	-1.90	464.00	12.50
759.00	-.70	728.00	-2.40	785.00	.10			591.00	2.70	670.00	-4.50	624.00	-4.70	505.00	6.00
800.00	-5.00			840.00	-1.70					743.00	-8.00	703.00	-9.30	555.00	3.70
														623.00	-.40

PROFILE 5

DATE 8MYY TIME	690618 65 1200	DATE 8MYY TIME	690918 66 1200	DATE 8MYY TIME	691125 67 1200	DATE 8MYY TIME	691226 68 1200	DATE 8MYY TIME	700113 69 1200	DATE 8MYY TIME	700127 70 1200	DATE 8MYY TIME	700129 71 1200	DATE 8MYY TIME	700211 72 1200
407.00	21.40	418.00	20.30	418.00	21.20	418.00	21.20	419.00	22.30	418.00	21.20	418.00	21.20	414.00	21.10
420.00	20.20	439.00	21.70	431.00	21.30	438.00	22.70	419.00	20.80	450.00	21.40	436.00	22.50	440.00	22.70
439.00	21.70	484.00	13.70	465.00	18.10	450.00	21.40	439.00	22.30	480.00	14.00	451.00	21.90	451.00	21.80
453.00	20.40	518.00	11.30	490.00	15.30	480.00	15.60	451.00	21.30	482.00	13.00	461.00	19.40	465.00	19.30
493.00	14.10	558.00	8.70	495.00	17.80	481.00	14.20	478.00	15.70	506.00	11.20	480.00	13.10	487.00	15.00
522.00	9.10	601.00	7.70	507.00	10.50	510.00	11.70	482.00	12.70	566.00	8.40	524.00	11.40	539.00	11.00
570.00	9.30	648.00	8.50	532.00	7.70	546.00	10.10	531.00	10.80	622.00	4.00	573.00	8.80	605.00	7.10
630.00	8.70	693.00	1.40	583.00	5.00	550.00	6.60	578.00	7.90	672.00	1.20	606.00	8.50	666.00	3.30
705.00	-4.90	710.00	.10	586.00	4.70	571.00	4.10	610.00	4.80	697.00	.60	651.00	4.40	703.00	-.10
				613.00	.50	614.00	1.80	664.00	.90			703.00	-.20		
				628.00	-1.70	668.00	-.10	718.00	-3.10						

PROFILE 3

DATE 8MYY TIME	700218 73 1200	DATE 8MYY TIME	700229 74 1200	DATE 8MYY TIME	700305 75 1200	DATE 8MYY TIME	700312 76 1200	DATE 8MYY TIME	700318 77 1200	DATE 8MYY TIME	700507 78 1200	DATE 8MYY TIME	700817 79 1200	DATE 8MYY TIME	700930 80 1200
418.00	21.10	418.00	21.10	414.00	21.20	418.00	21.10	418.00	21.10	414.00	21.10	418.00	21.70	442.00	22.10
438.00	22.90	435.00	22.40	442.00	22.20	434.00	22.60	434.00	22.40	442.00	22.30	436.00	22.80	461.00	19.50
432.00	21.60	451.00	21.80	497.00	15.30	459.00	19.50	450.00	21.70	461.00	19.50	456.00	21.10	484.00	13.50
466.00	19.60	464.00	19.60	535.00	11.10	474.00	13.30	463.00	19.50	490.00	12.80	450.00	15.40	534.00	11.40
494.00	13.20	491.00	18.00	587.00	9.50	528.00	11.50	486.00	15.30	535.00	11.30	531.00	11.50	542.00	9.80
535.00	11.20	550.00	10.40	645.00	3.40	567.00	11.70	528.00	11.40	581.00	7.10	568.00	8.30	601.00	10.60
574.00	9.20	605.00	7.50	695.00	1.00	603.00	8.30	571.00	11.40	651.00	7.40	598.00	8.50	632.00	9.00
640.00	5.40	666.00	3.40	715.00	-1.20	639.00	5.50	611.00	9.40	701.00	6.00	628.00	10.20	673.00	6.80
720.00	-.40	709.00	-1.00			667.00	1.20	640.00	1.20	751.00	1.50	665.00	8.00	713.00	.70
						695.00	-1.10	691.00	-1.10	771.00	-1.30	718.00	.40	735.00	-.90
												742.00	-1.00		

PROFILE 5

DATE 8HVY TIME	701201 81 1200	DATE 8HVY TIME	701218 82 1200	DATE 8HVY TIME	710109 83 1200	DATE 8HVY TIME	710212 84 1200	DATE 8HVY TIME	710309 85 1200	DATE 8HVY TIME	710406 86 1200	DATE 8HVY TIME	710604 87 1200	DATE 8HVY TIME	710811 88 1200
418.00	21.20	418.00	21.10	418.00	21.20	418.00	21.20	418.00	21.20	418.00	21.20	418.00	21.20	442.00	22.80
451.00	21.40	439.00	22.50	441.00	22.70	443.00	22.70	429.00	21.50	429.00	21.40	427.00	21.40	470.00	19.00
466.00	19.90	470.00	19.10	471.00	19.60	468.00	19.50	438.00	23.00	447.00	22.50	441.00	21.00	494.00	18.10
509.00	14.30	515.00	13.60	498.00	17.70	495.00	15.50	449.00	22.90	459.00	20.80	454.00	21.40	545.00	13.00
542.00	10.40	570.00	8.50	511.00	14.10	534.00	10.40	468.00	18.50	468.00	18.70	466.00	19.00	574.00	8.80
546.00	6.80	618.00	4.80	546.00	10.50	564.00	8.30	503.00	14.40	503.00	14.50	494.00	15.00	621.00	8.00
620.00	5.00	670.00	-1.50	579.00	9.10	595.00	7.20	536.00	14.30	543.00	11.50	525.00	12.40	659.00	3.00
656.00	2.70			618.00	6.70	623.00	6.80	574.00	8.60	584.00	9.30	556.00	10.70	682.00	.50
689.00	-2.30			638.00	5.70	666.00	3.20	624.00	4.20	632.00	7.10	573.00	8.20	702.00	-1.50
				645.00	3.70	723.00	-.60	661.00	.60	667.00	4.20	635.00	7.50		
				649.00	.60			712.00	-1.50	704.00	1.50	656.00	4.40		
				703.00	-.60					736.00	-.10	672.00	1.70		
										769.00	-1.20	733.00	-2.00		

PROFILE 5

DATE 8HVY TIME	711008 89 1200	DATE 8HVY TIME	711201 90 1200	DATE 8HVY TIME	720103 91 1200	DATE 8HVY TIME	720131 92 1200	DATE 8HVY TIME	720205 93 1200	DATE 8HVY TIME	720222 94 1200	DATE 8HVY TIME	720301 95 1200	DATE 8HVY TIME	720328 96 1200
443.00	22.80	418.00	22.80	443.00	23.20	442.00	22.00	440.00	20.40	428.00	20.50	419.00	20.40	414.00	22.30
487.00	19.40	442.00	23.10	465.00	21.80	460.00	21.00	463.00	20.20	443.00	22.40	444.00	22.00	421.00	20.70
510.00	22.90	464.00	21.80	489.00	19.00	453.00	16.20	477.00	16.70	460.00	20.90	447.00	20.80	440.00	22.70
572.00	14.20	469.00	19.30	511.00	15.50	506.00	13.00	520.00	12.40	485.00	15.50	464.00	20.40	460.00	20.40
591.00	11.00	509.00	13.80	547.00	13.00	552.00	12.00	560.00	7.50	510.00	10.70	489.00	15.00	465.00	20.60
603.00	11.00	543.00	11.80	577.00	9.10	565.00	11.10	614.00	5.40	539.00	7.20	505.00	11.40	501.00	12.00
615.00	9.00	556.00	11.30	605.00	7.60	594.00	7.80	657.00	2.20	573.00	5.50	534.00	8.10	528.00	9.60
636.00	5.10	589.00	7.80	674.00	2.10	630.00	6.00	682.00	-.10	605.00	4.20	559.00	6.70	571.00	6.40
682.00	.80	639.00	4.80	726.00	-.10	650.00	1.70			641.00	2.70	624.00	6.40	613.00	6.80
		694.00	1.30	739.00	-.90	714.00	-3.00			670.00	1.60	672.00	3.10	648.00	7.80
		709.00	-.50							691.00	1.00	744.00	.40	673.00	6.00
										712.00	-.10	762.00	-.50	694.00	-.10
														723.00	2.40
														744.00	.70
														761.00	-.40

PROFILE 5

DATE 8HVY TIME	720531 97 1200	DATE 8HVY TIME	720606 98 1200	DATE 8HVY TIME	721005 99 1200	DATE 8HVY TIME	721205 100 1200	DATE 8HVY TIME	730103 101 1200	DATE 8HVY TIME	730206 102 1200	DATE 8HVY TIME	730213 103 1200	DATE 8HVY TIME	730318 104 1200
428.00	21.40	442.00	22.40	429.00	21.10	442.00	21.50	428.00	21.20	429.50	21.00	425.00	21.10	442.50	21.80
442.00	22.50	460.00	21.50	446.00	22.70	464.00	20.70	442.00	21.90	439.50	23.00	442.00	21.70	504.00	18.70
460.00	21.40	488.00	18.50	448.00	21.10	482.00	15.70	447.00	21.50	461.50	21.70	499.00	13.50	517.00	10.80
464.00	20.40	500.00	11.70	445.00	20.50	504.00	11.50	487.00	19.40	493.00	13.50	525.00	10.30	544.00	8.40
505.00	11.70	540.00	10.80	482.00	15.90	544.00	9.40	522.00	10.30	522.00	10.30	560.00	6.90	561.00	8.70
544.00	9.50	565.00	10.90	507.00	11.00	554.00	8.80	554.00	7.70	565.00	7.40	623.00	3.90	621.00	7.00
593.00	10.40	580.00	10.20	508.00	11.20	583.00	6.40	592.00	5.40	614.00	4.00	681.00	.10	639.00	5.50
652.00	5.70	633.00	9.10	553.00	11.20	628.00	4.20	637.00	3.40	682.00	2.60	692.00	1.70	679.00	4.10
679.00	2.70	685.00	3.70	555.00	8.90	664.00	2.80	675.00	2.20	738.00	.80	736.00	1.40	719.00	2.30
753.00	1.10	730.00	.40	568.00	8.70	701.00	1.00	730.00	1.90	772.00	-1.10	785.00	2.00	751.00	1.20
721.00	.30	760.00	-8.20	569.00	5.00	738.00	.40	774.00	-.20			822.00	-1.20	789.00	-.40
754.00	-.30			608.00	6.80	766.00	-.10	794.00	-1.00					806.00	-1.40
				645.00	3.60	789.00	-.80								
				671.00	-.80										

PROFILE 5

DATE 8HVY TIME	730328 105 1200	DATE 8HVY TIME	730405 106 1200	DATE 8HVY TIME	730412 107 1200	DATE 8HVY TIME	730411 108 1200	DATE 8HVY TIME	731219 109 1200
399.00	21.90	424.00	21.90	422.00	20.90	400.00	21.70	424.00	20.90
424.00	21.00	440.00	23.20	441.00	23.20	426.00	20.80	442.00	21.90
439.00	23.10	462.00	21.70	445.00	21.70	440.00	23.10	444.00	21.80
462.00	21.90	482.00	18.20	448.00	21.30	464.00	21.70	448.00	19.10
446.00	21.90	510.00	11.70	486.00	15.80	489.00	18.40	540.00	14.50
493.00	23.70	530.00	5.70	516.00	14.90	528.00	9.00	580.00	9.40
572.00	10.70	572.00	4.70	509.00	8.60	571.00	7.30	610.00	7.40
547.00	7.90	717.00	8.60	581.00	7.20	619.00	8.50	640.00	5.00
611.00	8.60	749.00	.60	604.00	10.00	661.00	10.20	713.00	2.60
643.00	3.40	769.00	-.60	673.00	7.90	669.00	9.00	752.00	2.00
658.00	1.80	797.00	-1.50	691.00	8.50	703.00	6.40	814.00	.20
				703.00	6.80	707.00	5.00	843.00	-1.00
				705.00	6.90	732.00	2.40		
				726.00	4.50	761.00	6.00		
				756.00	-.10	780.00	-1.80		
				765.00	-1.10				

PROFILE 4

DATE 821011 SHVY 1 TIME 1200		DATE 821028 SHVY 2 TIME 1200		DATE 821208 SHVY 3 TIME 1200		DATE 830107 SHVY 4 TIME 1200		DATE 830123 SHVY 5 TIME 1200		DATE 830207 SHVY 6 TIME 1200		DATE 830221 SHVY 7 TIME 1200		DATE 830312 SHVY 8 TIME 1200	
245.00	10.10	313.00	22.50	309.00	25.90	247.00	10.00	9.00	8.40	367.00	26.50	350.00	25.90	324.00	26.00
283.00	17.90	331.00	25.30	371.00	15.80	285.00	18.10	80.00	5.50	381.00	14.00	370.00	14.50	356.00	27.30
318.00	23.10	367.00	20.10	387.00	12.40	334.00	26.10	75.00	5.95	441.00	8.30	402.00	11.20	349.00	26.40
337.00	25.00	376.00	15.10	425.00	9.60	350.00	26.80	144.00	7.20	507.00	3.80	496.00	7.90	374.00	16.50
349.00	26.60	409.00	10.40	455.00	7.30	374.00	15.90	212.00	4.90	551.00	.50	549.00	.90	390.00	12.90
377.00	15.00	454.00	8.00	525.00	2.90	400.00	12.00	241.00	11.80	594.00	.50	595.00	=1.00	444.00	8.60
401.00	11.10	504.00	3.80			420.00	10.00	266.00	15.70	628.00	=.10			505.00	2.00
461.00	8.60	537.00	1.10			483.00	5.90	292.00	20.70					536.00	.70
556.00	4.60	588.00	=.10			533.00	4.70	329.00	27.00						
588.00	.30					571.00	1.60	348.00	27.00						
						671.00	.90	386.00	13.60						
						781.00	.10	400.00	12.00						
								441.00	8.00						
								488.00	6.10						
								535.00	5.10						
								580.00	1.10						
								604.00	=.40						

PROFILE 4

DATE 830321 SHVY 9 TIME 1200		DATE 830408 SHVY 10 TIME 1200		DATE 830424 SHVY 11 TIME 1200		DATE 830509 SHVY 12 TIME 1200		DATE 830617 SHVY 13 TIME 1200		DATE 830715 SHVY 14 TIME 1200		DATE 830811 SHVY 15 TIME 1200		DATE 830925 SHVY 16 TIME 1200	
442.00	8.90	339.00	26.80	330.00	27.20	372.00	17.60	347.00	27.30	369.00	17.20	393.00	16.80	373.00	16.60
501.00	4.90	395.00	20.30	398.00	27.20	394.00	12.70	371.00	17.10	391.00	12.90	361.00	16.00	399.00	12.50
536.00	2.20	375.00	18.50	371.00	17.00	452.00	8.20	394.00	12.00	420.00	9.80	377.00	15.10	425.00	9.90
585.00	0.00	402.00	11.90	409.00	11.50	463.00	7.60	424.00	10.10	473.00	7.90	399.00	11.60	461.00	8.70
		483.00	5.20	484.00	8.10	522.00	8.10	461.00	8.60	495.00	8.00	455.00	8.40	502.00	6.80
		534.00	1.20	506.00	7.20	520.00	5.90	492.00	8.70	511.00	6.00	497.00	7.00	524.00	5.50
		554.00	.10	543.00	1.80	542.00	1.60	544.00	2.80	534.00	7.20	529.00	5.60	556.00	2.80
				618.00	=.20	577.00	=.40	600.00	.80	558.00	5.50	547.00	5.70		
								651.00	=0.30	594.00	.50	617.00	0.00		
										608.00	0.00				

PROFILE 4

DATE 831030 SHVY 17 TIME 1200		DATE 831101 SHVY 18 TIME 1200		DATE 831119 SHVY 19 TIME 1200		DATE 840108 SHVY 20 TIME 1200		DATE 840121 SHVY 21 TIME 1200		DATE 840312 SHVY 22 TIME 1200		DATE 840511 SHVY 23 TIME 1200		DATE 840713 SHVY 24 TIME 1200	
376.00	18.40	375.00	18.30	391.00	18.10	369.00	18.30	345.00	16.60	390.00	13.70	381.00	15.00	386.00	16.20
390.00	15.80	390.00	13.90	373.00	7.20	391.00	13.30	367.00	18.30	400.00	8.50	401.00	12.50	419.00	10.30
438.00	10.10	438.00	10.10	413.00	7.30	431.00	8.60	391.00	13.50	518.00	4.30	402.00	8.40	478.00	7.30
483.00	9.60	484.00	9.60	560.00	6.40	514.00	5.50	424.00	9.60	558.00	2.90	560.00	5.70	500.00	8.00
532.00	7.20	534.00	7.00	595.00	4.90	539.00	2.00	470.00	7.80	590.00	1.40	599.00	2.40	588.00	4.20
622.00	=.40	621.00	=.50	671.00	3.20	551.00	1.60	527.00	1.80	668.00	.20	666.00	.30		
				653.00	1.10					719.00	.10				

PROFILE 4

DATE 840810 SHVY 25 TIME 1200		DATE 841109 SHVY 26 TIME 1200		DATE 850218 SHVY 27 TIME 1200		DATE 850419 SHVY 28 TIME 1200		DATE 850528 SHVY 29 TIME 1200		DATE 850816 SHVY 30 TIME 1200		DATE 860127 SHVY 31 TIME 1200		DATE 860413 SHVY 32 TIME 1200	
365.00	17.20	389.00	14.10	383.00	15.20	370.00	18.20	391.00	13.90	381.00	17.00	355.00	18.30	371.00	18.20
403.00	12.00	428.00	10.20	457.00	9.20	417.00	12.20	426.00	10.70	401.00	13.70	417.00	12.70	418.00	11.90
442.00	8.00	520.00	4.60	501.00	7.80	462.00	9.00	484.00	8.10	455.00	8.80	452.00	9.70	468.00	8.60
538.00	10.70	570.00	5.40	551.00	7.40	541.00	7.00	545.00	8.00	506.00	7.90	449.00	8.20	552.00	8.10
572.00	4.30	606.00	2.80	671.00	3.40	584.00	4.00	598.00	4.50	591.00	7.90	518.00	5.50	570.00	4.40
626.00	.40	620.00	.80	696.00	1.30	610.00	2.80	641.00	4.40	600.00	6.10	569.00	2.90		
				698.00	.90			685.00	2.70	625.00	5.10				
								685.00	1.00	641.00	2.20				

PROFILE 4

DATE 860630 SHVY 33 TIME 1200		DATE 870113 SHVY 34 TIME 1200		DATE 870215 SHVY 35 TIME 1200		DATE 870401 SHVY 36 TIME 1200		DATE 870526 SHVY 37 TIME 1200		DATE 870921 SHVY 38 TIME 1200		DATE 871107 SHVY 39 TIME 1200		DATE 871200 SHVY 40 TIME 1200	
383.00	20.70	369.00	20.70	366.00	18.30	347.00	22.70	352.00	20.40	351.00	25.20	355.00	23.80	356.00	23.80
393.00	15.90	399.00	16.00	396.00	14.90	360.00	19.10	365.00	18.80	372.00	17.70	348.00	18.00	381.00	17.10
418.00	10.90	423.00	11.00	437.00	9.70	408.00	11.60	392.00	15.80	412.00	11.60	408.00	13.10	409.00	13.00
439.00	9.90	477.00	8.80	498.00	8.80	456.00	8.60	412.00	11.70	444.00	9.70	445.00	8.40	434.00	10.50
501.00	8.10	522.00	7.60	547.00	3.40	498.00	4.30	454.00	9.70	468.00	5.60	501.00	8.60	463.00	7.40
539.00	5.20	562.00	1.80			513.00	2.20	482.00	8.20	531.00	5.70	531.00	5.30	535.00	7.50
575.00	2.90							500.00	7.40	563.00	2.20	574.00	4.00	585.00	.20
625.00	.80							542.00	5.10			595.00	1.90	636.00	=.10
665.00	=.20							574.00	2.20						

PROFILE #

DATE 8MYY	680105	DATE 8MYY	680111	DATE 8MYY	680118	DATE 8MYY	680125	DATE 8MYY	680131	DATE 8MYY	680207	DATE 8MYY	680214	DATE 8MYY	680220
TIME	42 1200	TIME	43 1200	TIME	44 1200	TIME	45 1200	TIME	46 1200	TIME	47 1200	TIME	48 1200	TIME	49 1200
344.00	25.00	342.00	23.50	350.00	25.50	352.00	25.00	352.00	25.70	350.00	25.00	354.00	25.40	350.00	25.30
352.00	21.80	363.00	18.00	368.00	18.30	358.00	23.40	398.00	24.00	368.00	18.70	370.00	19.70	364.00	18.60
360.00	18.60	379.00	16.00	380.00	17.00	369.00	16.00	380.00	16.90	380.00	17.00	380.00	17.10	379.00	17.30
379.00	17.00	398.00	15.30	408.00	14.70	401.00	15.30	409.00	15.20	405.00	16.70	401.00	14.80	403.00	15.10
383.00	15.20	418.00	11.70	418.00	12.10	409.00	14.00	414.00	12.30	414.00	12.40	430.00	10.80	418.00	12.40
410.00	11.40	430.00	10.00	430.00	10.50	415.00	12.50	453.00	8.10	465.00	7.50	470.00	7.40	457.00	7.90
430.00	10.00	439.00	9.70	520.00	3.70	433.00	10.50	493.00	5.30	503.00	6.80	506.00	5.10	506.00	5.40
450.00	7.50	485.00	5.50	553.00	2.20	459.00	7.80	511.00	5.70	531.00	4.80	561.00	.90	523.00	4.20
480.00	5.40	491.00	5.00	590.00	2.80	464.00	6.00	530.00	4.30	575.00	2.60			550.00	1.20
502.00	3.90	512.00	3.10	602.00	1.30	523.00	3.60			627.00	2.70				
530.00	3.10	554.00	3.10	618.00	1.40	530.00	4.30			642.00	1.40				
559.00	3.10	557.00	3.30			564.00	4.80								
585.00	2.30	560.00	3.00			584.00	3.00								
615.00	.00	609.00	2.40			610.00	1.60								
						625.00	.70								

PROFILE #

DATE 8MYY	680228	DATE 8MYY	680306	DATE 8MYY	680316	DATE 8MYY	680322	DATE 8MYY	680327	DATE 8MYY	680119	DATE 8MYY	680117	DATE 8MYY	690129
TIME	50 1200	TIME	51 1200	TIME	52 1200	TIME	53 1200	TIME	54 1200	TIME	55 1200	TIME	56 1200	TIME	57 1200
350.00	25.50	344.00	25.50	350.00	25.50	353.00	25.50	354.00	25.30	369.00	18.80	356.00	27.10	365.00	18.20
368.00	18.70	370.00	18.30	370.00	18.40	367.00	18.60	370.00	18.40	380.00	18.30	374.00	17.90	414.00	14.60
380.00	17.40	396.00	15.60	406.00	14.60	394.00	15.70	408.00	13.90	402.00	15.70	395.00	16.30	420.00	9.70
402.00	15.30	418.00	12.20	432.00	10.20	413.00	12.50	413.00	12.20	425.00	11.70	428.00	8.90	435.00	9.20
421.00	11.80	457.00	8.00	464.00	7.70	430.00	10.10	491.00	5.60	455.00	6.00	435.00	9.30	465.00	8.00
456.00	7.90	532.00	3.40	499.00	5.20	456.00	8.10	529.00	4.20	507.00	3.40	495.00	8.00	496.00	5.20
504.00	6.00	567.00	2.60	539.00	3.00	504.00	4.90	560.00	3.70	559.00	1.50	545.00	6.10	535.00	3.40
533.00	4.20	599.00	1.40	609.00	.60	555.00	2.80	596.00	1.10	595.00	.60	589.00	-.20	572.00	-1.10
559.00	1.90			609.00	-.80	612.00	1.80	630.00	0.70	611.00	-.30	601.00	-1.70	584.00	-2.90
564.00	.80							700.00	0.00	658.00	-2.10			643.00	-3.70

PROFILE #

DATE 8MYY	690207	DATE 8MYY	690213	DATE 8MYY	690224	DATE 8MYY	690228	DATE 8MYY	690310	DATE 8MYY	690314	DATE 8MYY	690321	DATE 8MYY	690318
TIME	58 1200	TIME	59 1200	TIME	60 1200	TIME	61 1200	TIME	62 1200	TIME	63 1200	TIME	64 1200	TIME	65 1200
374.00	19.10	375.00	18.00	373.00	19.00	375.00	18.90	385.00	18.20	385.00	17.90	284.00	11.50	356.00	24.40
395.00	18.50	385.00	18.00	385.00	18.50	389.00	18.30	410.00	14.80	412.00	14.40	295.00	18.40	360.00	20.40
424.00	12.20	411.00	14.60	414.00	14.80	415.00	14.10	425.00	10.70	435.00	8.90	312.00	22.00	368.00	18.20
430.00	9.40	436.00	9.60	423.00	12.30	428.00	8.80	443.00	8.90	465.00	2.60	339.00	26.00	409.00	15.30
435.00	8.20	435.00	9.10	427.00	10.50	435.00	9.10	458.00	5.20	490.00	3.90	357.00	25.20	439.00	9.20
485.00	4.00	464.00	8.60	435.00	8.00	463.00	7.50	476.00	3.80	535.00	5.60	371.00	17.90	468.00	7.30
501.00	7.10	485.00	7.70	448.00	7.30	485.00	4.30	485.00	1.80	560.00	6.60	389.00	17.20	515.00	6.50
535.00	2.10	503.00	6.20	485.00	4.70	510.00	1.50	488.00	2.30	623.00	1.70	407.00	10.80	561.00	7.70
573.00	-2.10	531.00	2.70	503.00	2.00	520.00	-.30	491.00	3.70	678.00	-1.90	424.00	10.40	600.00	7.90
589.00	-2.90	571.00	-2.10					535.00	5.60	738.00	-4.50	435.00	8.90	611.00	6.60
654.00	-3.90	593.00	-3.60					564.00	0.30	825.00	-6.00	465.00	5.80	678.00	2.20
								584.00	3.70			535.00	0.00	720.00	-1.60
								617.00	1.20			595.00	2.00		
								654.00	.20			644.00	.90		
								707.00	-2.00			703.00	-1.20		
								795.00	-6.00						

PROFILE #

DATE 8MYY	690418	DATE 8MYY	691129	DATE 8MYY	691220	DATE 8MYY	700115	DATE 8MYY	700122	DATE 8MYY	700129	DATE 8MYY	700211	DATE 8MYY	700218
TIME	66 1200	TIME	67 1200	TIME	68 1200	TIME	69 1200	TIME	70 1200	TIME	71 1200	TIME	72 1200	TIME	73 1200
385.00	18.20	385.00	18.20	385.00	18.20	374.00	18.90	374.00	18.80	374.00	18.50	374.00	18.00	369.00	16.60
408.00	16.00	412.00	15.00	415.00	15.00	385.00	16.20	385.00	18.30	385.00	18.20	385.00	18.30	414.00	14.60
428.00	11.20	455.00	8.90	435.00	9.70	412.00	15.15	409.00	16.80	405.00	16.40	405.00	16.40	425.00	10.90
439.00	9.30	457.00	7.60	485.00	10.10	451.00	9.90	435.00	9.50	432.00	9.90	429.00	11.00	435.00	10.30
443.00	8.40	487.00	8.80	435.00	9.30	435.00	8.20	480.00	8.00	435.00	9.70	435.00	10.20	465.00	8.60
485.00	6.50	536.00	8.80	500.00	8.60	485.00	7.80	485.00	7.80	485.00	8.00	485.00	8.60	535.00	6.40
487.00	8.60	564.00	8.30	585.00	2.90	535.00	8.80	533.00	8.90	531.00	8.70	535.00	4.20	565.00	2.20
536.00	7.80	582.00	5.60	635.00	1.40	567.00	5.40	565.00	6.50	552.00	7.80	585.00	2.40	635.00	1.00
589.00	7.90	632.00	2.20	685.00	-.40	585.00	4.80	585.00	5.00	555.00	6.20	635.00	1.00	665.00	-0.00
610.00	5.90	662.00	1.10			634.00	-.80	610.00	-.20	562.00	.80	685.00	-.10	768.00	-1.60
658.00	1.30	682.00	-1.40			689.00	-3.70	635.00	-.90	565.00	-.70	700.00	-.70	805.00	-2.60
671.00	0.00	702.00	-3.60			720.00	-5.00			635.00	-.50	804.00	-2.50		
										665.00	-2.20				
										715.00	-4.00				

PROFILE 4

DATE	700225	DATE	700309	DATE	700312	DATE	700318	DATE	700407	DATE	700812	DATE	700930	DATE	701201
SRVY	74	SRVY	75	SRVY	76	SRVY	77	SRVY	78	SRVY	79	SRVY	80	SRVY	81
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
385.00	18.00	374.00	18.90	385.00	18.00	385.00	18.10	385.00	18.30	385.00	18.20	427.00	19.80	428.00	13.30
412.00	18.00	385.00	18.10	413.00	14.20	413.00	15.30	408.00	16.00	414.00	15.00	435.00	19.80	428.00	11.20
427.00	10.90	410.00	18.40	426.00	11.10	427.00	11.20	417.00	13.70	430.00	10.60	455.00	8.60	435.00	10.50
435.00	10.50	428.00	11.30	435.00	10.40	435.00	10.40	428.00	10.80	457.00	9.50	456.00	7.30	485.00	8.20
470.00	8.30	435.00	10.40	460.00	7.60	485.00	6.80	435.00	10.40	488.00	5.00	535.00	7.80	518.00	7.00
485.00	6.60	485.00	8.50	485.00	6.80	535.00	6.10	485.00	4.90	530.00	4.20	575.00	6.30	535.00	7.40
535.00	4.50	535.00	6.80	535.00	6.00	585.00	3.30	535.00	4.10	581.00	7.50	585.00	7.00	585.00	4.10
585.00	2.20	585.00	2.90	585.00	5.00	612.00	3.50	585.00	3.40	604.00	3.40	617.00	6.10	635.00	4.40
635.00	.90	635.00	1.30	635.00	1.50	634.00	3.00	605.00	1.90	612.00	2.10	620.00	4.20	685.00	.20
685.00	-.50	685.00	.20	685.00	.70	655.00	3.00	635.00	.90	633.00	1.90	635.00	5.20	735.00	-1.90
725.00	-2.00	737.00	-2.70	715.00	-1.20	685.00	.10	650.00	1.70	683.00	.20	650.00	4.20		
				767.00	-2.10	720.00	-2.00	685.00	-.20	706.00	-3.20	685.00	2.40		
						755.00	-3.30	727.00	-.80			737.00	-3.40		
								770.00	-2.80						

PROFILE 4

DATE	701218	DATE	710104	DATE	710218	DATE	710309	DATE	710408	DATE	710604	DATE	710811	DATE	711004
SRVY	82	SRVY	83	SRVY	84	SRVY	85	SRVY	86	SRVY	87	SRVY	88	SRVY	89
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
413.00	14.80	413.00	13.20	414.00	14.80	408.00	15.90	412.00	15.10	385.00	18.10	385.00	17.30	385.00	18.30
425.00	11.40	425.00	11.60	424.00	11.70	425.00	11.20	421.00	9.80	408.00	15.60	408.00	15.60	415.00	10.70
435.00	8.30	435.00	10.80	435.00	10.80	435.00	10.70	435.00	10.20	435.00	10.40	435.00	10.70	445.00	8.10
465.00	8.30	460.00	7.90	485.00	7.50	485.00	6.40	485.00	5.50	464.00	7.10	485.00	7.20	485.00	6.80
485.00	6.80	485.00	7.10	535.00	5.10	535.00	3.70	535.00	2.50	484.00	6.40	535.00	6.40	535.00	6.90
535.00	5.00	535.00	4.20	563.00	3.90	585.00	.80	585.00	.30	533.00	7.05	585.00	4.80	566.00	7.30
555.00	4.10	565.00	2.30	585.00	3.10	625.00	-.10	635.00	-.90	557.00	5.10	606.00	3.40	585.00	6.55
585.00	4.70	615.00	.30	635.00	1.50	654.00	-1.80	685.00	-1.60	585.00	3.00	640.00	1.00	605.00	5.75
607.00	4.90	665.00	-1.20	677.00	.40	684.00	-2.10	715.00	-2.60	602.00	0.00	680.00	-.40	635.00	-2.90
635.00	3.70			725.00	-.60					641.00	0.00			685.00	-.20
665.00	1.40			761.00	-1.90					685.00	-.50				
										717.00	-1.20				
										758.00	-2.40				

PROFILE 4

DATE	711201	DATE	720103	DATE	720131	DATE	720205	DATE	720222	DATE	720301	DATE	720328	DATE	720531
SRVY	90	SRVY	91	SRVY	92	SRVY	93	SRVY	94	SRVY	95	SRVY	96	SRVY	97
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
435.00	10.90	424.00	13.20	421.00	13.00	435.00	10.70	385.00	17.20	385.00	18.20	385.00	14.30	385.00	18.40
448.00	8.40	438.00	10.60	446.00	10.50	485.00	7.00	404.00	16.30	408.00	16.20	409.00	14.30	410.00	18.50
485.00	8.80	468.00	6.40	514.00	8.40	535.00	4.40	419.00	10.70	427.00	10.80	429.00	11.00	433.00	10.80
500.00	8.40	488.00	5.70	549.00	8.00	585.00	2.90	435.00	8.20	435.00	9.80	435.00	9.80	475.00	7.20
532.00	4.70	512.00	5.50	558.00	6.40	635.00	.00	441.00	8.20	457.00	4.90	449.00	7.40	531.00	7.50
582.00	4.00	536.00	6.10	584.00	6.20	685.00	-.80	469.00	4.00	485.00	5.30	485.00	6.40	597.00	5.00
632.00	1.30	587.00	2.00	611.00	4.70			485.00	5.70	531.00	3.50	535.00	4.70	659.00	5.30
662.00	.40	634.00	.40	633.00	4.30			535.00	1.70	553.00	2.70	569.00	4.60	685.00	2.30
716.00	-2.90	684.00	-.60	655.00	.40			565.00	1.90	565.00	2.00	585.00	4.20	710.00	1.00
		735.00	-2.20	683.00	.50			655.00	0.00	613.00	.80	638.00	4.90	730.00	.30
				718.00	0.00					635.00	1.10	705.00	2.50	745.00	-.30
				731.00	-.80					662.00	.60	750.00	1.40		
				770.00	-2.90					685.00	-.20	748.00	.40		
										736.00	-.50	784.00	-.90		

PROFILE 4

DATE	720809	DATE	721003	DATE	721205	DATE	730103	DATE	730206	DATE	730213	DATE	730316	DATE	730324
SRVY	98	SRVY	99	SRVY	100	SRVY	101	SRVY	102	SRVY	103	SRVY	104	SRVY	105
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
385.00	18.80	385.00	18.60	425.00	11.00	417.00	15.30	425.00	11.20	413.00	15.90	412.00	16.10	402.00	16.10
410.00	16.10	408.00	18.60	424.00	10.90	429.00	11.40	435.00	10.00	428.00	11.30	427.00	11.40	416.00	11.60
435.00	9.90	418.00	14.70	434.00	9.10	439.00	10.70	490.00	9.30	435.00	10.85	435.00	10.40	429.00	11.00
460.00	7.40	432.00	11.00	485.00	9.70	465.00	9.20	540.00	7.60	464.00	10.10	472.00	9.70	475.00	6.80
500.00	8.70	478.00	7.80	536.00	9.50	500.00	5.20	590.00	7.50	505.00	7.00	494.00	7.40	495.00	7.70
550.00	8.60	516.00	8.50	547.00	8.90	577.00	3.00	630.00	.90	560.00	3.90	517.00	7.70	525.00	3.90
579.00	7.00	580.00	7.70	568.00	5.30	591.00	4.20	670.00	-1.60	585.00	-1.00	541.00	3.50	545.00	0.00
619.00	6.30	605.00	7.60	585.00	5.40	631.00	5.10			617.00	-.40	576.00	-.80		
650.00	2.00	625.00	5.50	635.00	1.30	669.00	.40			662.00	0.00	585.00	-3.80		
712.00	-.60	676.00	4.60	685.00	.10	739.00	-2.30			717.00	-2.00	639.00	4.80		
		713.00	-.80	735.00	.90							693.00	-1.70		
		728.00	-1.70									713.00	-1.60		

PROFILE 4

DATE 730403 BRVY 106 TIME 1200		DATE 730412 BRVY 107 TIME 1200		DATE 730411 BRVY 108 TIME 1200		DATE 731219 BRVY 109 TIME 1200	
410.00	16.00	414.00	15.70	412.00	15.90	413.00	16.30
427.00	11.50	429.00	11.50	429.00	11.40	425.00	12.00
435.00	11.00	435.00	11.00	435.00	11.00	435.00	11.00
440.00	9.10	439.00	8.10	440.00	9.70	465.00	9.70
520.00	8.70	513.00	6.80	510.00	6.60	513.00	8.80
540.00	4.30	540.00	4.40	540.00	9.20	535.00	7.00
560.00	2.40	588.00	4.20	570.00	7.30	575.00	4.90
615.00	2.60	615.00	2.60	615.00	4.70	610.00	2.80
643.00	1.00	642.00	.10	643.00	4.00	645.00	1.60
690.00	.10	690.00	-1.60	653.00	1.60	685.00	.70
706.00	-.60			699.00	-1.50	719.00	-1.60
737.00	-2.00						

PROFILE 5

DATE 621011 BRVY 1 TIME 1200		DATE 621028 BRVY 2 TIME 1200		DATE 621208 BRVY 3 TIME 1200		DATE 630107 BRVY 4 TIME 1200		DATE 630123 BRVY 5 TIME 1200		DATE 630207 BRVY 6 TIME 1200		DATE 630221 BRVY 7 TIME 1200		DATE 630512 BRVY 8 TIME 1200	
273.00	18.10	200.00	18.60	319.00	26.90	0.00	8.80	2.00	8.20	331.00	25.70	107.00	24.30	300.00	26.30
300.00	25.40	299.00	17.10	331.00	26.00	95.00	7.50	31.00	4.20	334.00	23.10	132.00	24.10	331.00	26.00
329.00	25.00	303.00	20.10	338.00	24.00	167.00	7.90	156.00	7.90	406.00	11.00	336.00	25.00	339.00	23.10
344.00	17.90	324.00	26.40	365.00	19.70	195.00	8.80	181.00	4.40	447.00	8.00	340.00	23.50	408.00	11.00
394.00	10.90	402.00	12.10	397.00	12.00	233.00	12.40	190.00	4.70	504.00	6.40	391.00	13.10	524.00	4.20
447.00	7.70	434.00	9.40	472.00	8.10	307.00	26.20	233.00	13.70	544.00	5.60	419.00	10.30	683.00	0.00
524.00	8.30	488.00	8.20			350.00	25.70	330.00	26.00	613.00	0.00	456.00	8.20		
585.00	2.40	511.00	7.00			379.00	17.10	333.00	24.40			508.00	4.90		
601.00	1.90	551.00	3.30			401.00	12.40	343.00	22.70			558.00	3.90		
		588.00	1.10			414.00	10.30	410.00	11.40			626.00	.30		
		615.00	.10			464.00	6.70	443.00	7.80						
						503.00	7.80	483.00	8.10						
						525.00	3.30	544.00	4.90						
						566.00	1.30	565.00	.80						
								579.00	0.00						

PROFILE 6

DATE 630321 BRVY 9 TIME 1200		DATE 630409 BRVY 10 TIME 1200		DATE 630424 BRVY 11 TIME 1200		DATE 630509 BRVY 12 TIME 1200		DATE 630617 BRVY 13 TIME 1200		DATE 630710 BRVY 14 TIME 1200		DATE 630813 BRVY 15 TIME 1200		DATE 630925 BRVY 16 TIME 1200	
330.00	28.50	306.00	28.30	306.00	26.40	307.00	26.40	305.00	26.40	360.00	16.70	324.00	24.70	327.00	26.30
338.00	25.60	328.00	26.40	328.00	26.60	328.00	26.00	331.00	25.90	405.00	11.60	395.00	13.00	364.00	17.90
361.00	19.80	394.00	12.90	342.00	22.50	337.00	21.60	366.00	17.60	434.00	9.10	424.00	8.30	395.00	13.10
422.00	9.50	481.00	6.40	410.00	11.00	392.00	13.10	426.00	9.80	491.00	8.00	460.00	8.90	424.00	10.10
462.00	7.40	529.00	5.00	456.00	8.50	486.00	7.50	519.00	6.90	537.00	8.70	482.00	7.80	490.00	8.10
516.00	3.00	582.00	2.60	488.00	6.40	511.00	7.50	548.00	7.40	583.00	4.30	505.00	8.20	510.00	6.00
580.00	.20	617.00	1.10	516.00	7.20	545.00	6.30	591.00	4.40	621.00	2.00	543.00	8.40	544.00	7.30
597.00	.10	650.00	-.10	574.00	2.30	578.00	1.80	627.00	-.10			587.00	6.30	580.00	2.10
				626.00	1.00	654.00	0.00					653.00	1.50		
				675.00	-1.20							626.00	.10		

PROFILE 7

DATE 631030 BRVY 17 TIME 1200		DATE 631101 BRVY 18 TIME 1200		DATE 631115 BRVY 19 TIME 1200		DATE 640108 BRVY 20 TIME 1200		DATE 640121 BRVY 21 TIME 1200		DATE 640312 BRVY 22 TIME 1200		DATE 640511 BRVY 23 TIME 1200		DATE 640713 BRVY 24 TIME 1200	
322.00	28.60	322.00	28.70	399.00	15.00	317.00	27.50	304.00	28.20	322.00	27.40	325.00	27.50	319.00	28.90
405.00	11.00	404.00	10.80	407.00	11.40	331.00	25.50	320.00	27.50	347.00	19.10	375.00	14.00	372.00	15.00
446.00	9.20	444.00	9.10	439.00	8.40	360.00	17.80	352.00	18.00	371.00	16.20	404.00	10.40	399.00	10.90
459.00	9.20	481.00	8.20	459.00	7.50	404.00	11.20	405.00	10.70	408.00	11.10	495.00	6.70	451.00	8.30
505.00	8.80	503.00	8.20	499.00	8.40	539.00	2.20	478.00	6.90	449.00	7.70	526.00	5.10	510.00	7.90
545.00	6.10	580.00	2.70	529.00	7.30			513.00	0.00	491.00	5.00	549.00	0.00	548.00	5.30
583.00	2.60	617.00	-1.30	563.00	5.20			523.00	2.80	515.00	2.00				
617.00	-1.30			572.00	2.70			530.00	2.60	575.00	-.10				
				595.00	.60										

PROFILE 5

DATE 8MYY	850910	DATE 8MYY	841105	DATE 8MYY	850218	DATE 850412		DATE 850527		DATE 850816		DATE 860127		DATE 860415	
TIME	29	TIME	26	TIME	27	TIME	28	TIME	29	TIME	30	TIME	31	TIME	32
1200		1200		1200		1200		1200		1200		1200		1200	
318.00	20.50	314.00	30.00	318.00	29.00	319.00	29.00	319.00	29.00	325.00	28.60	328.00	29.00	329.00	28.80
378.00	14.90	358.00	18.70	370.00	15.50	366.00	16.70	380.00	14.80	375.00	15.30	370.00	16.80	362.00	19.10
411.00	10.90	409.00	18.20	406.00	7.70	447.00	7.00	456.00	8.30	400.00	11.70	401.00	12.00	407.00	11.70
452.00	10.80	500.00	8.90	479.00	8.30	472.00	8.30	501.00	8.80	452.00	8.20	451.00	7.70	458.00	8.10
498.00	11.10	518.00	8.40	529.00	2.00	503.00	7.60	550.00	8.00	501.00	9.10	481.00	9.10	498.00	8.10
537.00	4.10	544.00	7.10	588.00	.10	538.00	4.50	579.00	4.40	535.00	6.60			521.00	5.70
592.00	2.40	581.00	5.10			558.00	3.00	612.00	2.90	588.00	6.30				
608.00	.10							638.00	1.00	611.00	6.20				

PROFILE 5

DATE 8MYY	880820	DATE 8MYY	860830	DATE 870113		DATE 870319		DATE 870501		DATE 870728		DATE 870921		DATE 871117	
TIME	33	TIME	34	TIME	35	TIME	36	TIME	37	TIME	38	TIME	39	TIME	40
1200		1200		1200		1200		1200		1200		1200		1200	
323.00	30.10	324.00	30.10	325.00	29.90	318.00	29.60	325.00	29.90	320.00	30.40	320.00	30.50	322.00	29.90
345.00	22.00	362.00	18.40	344.00	17.70	320.00	28.00	361.00	21.00	367.00	19.50	381.00	16.80	364.00	20.60
413.00	19.90	388.00	14.10	430.00	12.10	369.00	19.10	408.00	15.30	401.00	15.50	397.00	13.50	387.00	14.90
454.00	8.40	438.00	8.50	448.00	10.70	403.00	11.60	439.00	11.00	501.00	7.40	498.00	8.10	412.00	13.20
517.00	10.00	477.00	5.70	505.00	7.20	458.00	9.30	468.00	9.10	554.00	7.70	508.00	9.30	487.00	6.30
587.00	2.90	519.00	15.00	558.00	6.20	496.00	6.20	504.00	7.50	612.00	9.10	546.00	9.30	535.00	9.00
		569.00	7.80	584.00	2.20	564.00	3.50	563.00	6.60	644.00	4.10	584.00	6.60	598.00	9.80
		617.00	1.10	629.00	1.10			583.00	4.70			604.00	3.50	635.00	7.10
		649.00	.90					598.00	4.00					654.00	3.40

PROFILE 5

DATE 8MYY	871208	DATE 880109		DATE 880111		DATE 880118		DATE 880124		DATE 880131		DATE 880207		DATE 880219	
TIME	41	TIME	42	TIME	43	TIME	44	TIME	45	TIME	46	TIME	47	TIME	48
1200		1200		1200		1200		1200		1200		1200		1200	
329.00	30.10	280.00	18.10	335.00	28.00	321.00	26.30	322.00	26.10	324.00	26.20	323.00	26.20	324.00	26.30
399.00	13.90	289.00	23.00	359.00	23.00	380.00	20.80	363.00	20.50	339.00	23.70	344.00	22.80	339.00	23.00
460.00	8.30	309.00	28.90	380.00	18.00	386.00	16.70	380.00	16.80	362.00	20.80	360.00	20.00	344.00	22.90
575.00	9.00	328.00	20.10	399.00	14.40	419.00	11.60	413.00	12.30	388.00	16.70	390.00	17.40	366.00	20.30
630.00	4.90	380.00	23.50	415.00	12.50	462.00	8.30	454.00	8.40	408.00	12.70	418.00	11.80	409.00	12.60
700.00	1.00	386.00	20.50	438.00	10.30	511.00	5.10	492.00	6.00	479.00	8.50	442.00	10.70	464.00	9.30
		391.00	15.60	473.00	8.80	566.00	4.90	587.00	3.10	525.00	6.80	499.00	8.50	534.00	5.60
		402.00	18.30	477.00	9.90	611.00	2.60	618.00	2.00	561.00	6.60	553.00	7.00	588.00	4.40
		454.00	9.30	544.00	7.60	654.00	2.00	646.00	3.00	595.00	6.50	610.00	4.30	617.00	1.60
		526.00	4.90	590.00	3.40	630.00	1.70	675.00	2.10	637.00	3.30	676.00	1.90	681.00	1.10
		596.00	2.60	647.00	2.20			688.00	1.10	662.00	1.60				
		660.00	1.60	653.00	2.20					677.00	.30				
		714.00	1.30	696.00	3.10										
				700.00	2.80										

PROFILE 5

DATE 8MYY	880229	DATE 880229		DATE 880304		DATE 880314		DATE 880322		DATE 880327		DATE 880419		DATE 880117	
TIME	49	TIME	50	TIME	51	TIME	52	TIME	53	TIME	54	TIME	55	TIME	56
1200		1200		1200		1200		1200		1200		1200		1200	
326.00	26.30	328.00	26.20	337.00	26.30	325.00	26.30	326.00	26.20	327.00	26.27	316.00	26.50	311.00	26.20
359.00	23.80	339.00	23.60	350.00	22.00	360.00	19.90	340.00	23.50	339.00	23.40	345.00	23.90	340.00	24.00
368.00	19.50	350.00	22.00	364.00	20.20	408.00	12.90	369.00	22.50	350.00	22.30	366.00	20.90	380.00	21.70
409.00	12.80	370.00	19.00	409.00	13.00	450.00	9.50	371.00	19.50	369.00	20.20	387.00	17.40	431.00	11.10
467.00	9.40	408.00	11.10	466.00	8.70	513.00	5.10	398.00	14.30	391.00	15.60	421.00	12.00	550.00	6.00
535.00	6.20	441.00	7.60	523.00	6.70	606.00	2.90	424.00	11.50	425.00	11.30	451.00	10.50	601.00	6.00
574.00	6.10	500.00	5.10	581.00	4.20	650.00	1.30	527.00	6.20	484.00	8.00	491.00	6.30	750.00	1.90
595.00	2.20	542.00	6.60	600.00	5.20			638.00	2.20	544.00	5.30	547.00	5.90		
		631.00	2.40	618.00	2.70					603.00	3.50	597.00	4.10		
		648.00	1.10							673.00	.50	655.00	2.60		
										707.00	1.70	704.00	1.10		
										753.00	.20	720.00	.50		
												730.00	-.10		
												766.00	-2.00		

PROFILE 5

DATE SRVY TIME	890129 57 1200	DATE SRVY TIME	890207 58 1200	DATE SRVY TIME	890213 59 1200	DATE SRVY TIME	890224 60 1200	DATE SRVY TIME	890226 61 1200	DATE SRVY TIME	890310 62 1200	DATE SRVY TIME	890316 63 1200	DATE SRVY TIME	890321 64 1200
340.00	21.20	345.00	24.10	340.00	24.00	340.00	24.00	340.00	23.90	350.00	21.70	325.00	20.00	341.00	13.80
383.00	17.40	366.00	21.00	340.00	21.60	359.00	21.60	364.00	20.30	370.00	18.60	346.00	22.20	360.00	26.30
416.00	12.70	380.00	17.60	391.00	17.00	382.00	17.90	390.00	17.90	375.00	17.70	357.00	20.20	325.00	26.40
467.00	9.40	419.00	12.70	419.00	12.50	419.00	13.30	434.00	11.20	402.00	12.70	377.00	17.70	340.00	24.00
522.00	8.50	444.00	11.00	467.00	10.10	434.00	10.00	460.00	10.20	436.00	11.05	402.00	13.10	365.00	20.90
554.00	8.00	494.00	8.00	513.00	8.70	484.00	10.30	542.00	6.00	474.00	10.45	434.00	11.10	391.00	17.20
596.00	5.50	529.00	8.00	560.00	8.00	499.00	7.70	588.00	3.50	527.00	10.30	484.00	10.30	429.00	11.50
619.00	1.00			618.00	3.50	535.00	5.10	638.00	1.50	545.00	9.00	516.00	10.50	485.00	9.90
632.00	2.50			708.00	.10	551.00	3.40	658.00	.90	560.00	2.70	550.00	7.90	536.00	9.80
694.00	3.00			842.00	-2.40	564.00	2.70			615.00	-.50	602.00	.60	590.00	-.20
762.00	-1.60									658.00	-2.00	634.00	-1.30	652.00	.80
844.00	-4.80									724.00	-1.50	666.00	1.10	700.00	-2.00
										835.00	-3.10	715.00	1.10		
										892.00	-6.30	811.00	-3.00		
												896.50	-5.40		

PROFILE 5

DATE SRVY TIME	890618 65 1200	DATE SRVY TIME	890918 66 1200	DATE SRVY TIME	891125 67 1200	DATE SRVY TIME	891220 68 1200	DATE SRVY TIME	900115 69 1200	DATE SRVY TIME	900127 70 1200	DATE SRVY TIME	900129 71 1200	DATE SRVY TIME	900211 72 1200
321.00	29.40	329.00	29.40	326.00	29.70	328.00	30.30	331.00	30.10	326.00	30.40	327.00	30.40	325.00	30.50
340.00	28.00	342.00	27.30	344.00	27.70	343.00	28.50	340.00	28.70	408.00	15.20	351.00	29.00	344.00	19.70
370.00	21.60	370.00	21.40	393.00	23.50	388.00	16.40	371.00	18.00	423.00	12.70	367.00	18.80	395.00	14.60
398.00	16.90	394.00	16.50	392.00	19.20	412.00	14.80	405.00	14.70	448.00	11.00	392.00	15.20	429.00	13.30
413.00	14.40	424.00	13.40	431.50	11.10	438.00	12.90	435.00	13.30	476.00	9.60	422.00	13.20	442.00	11.20
486.00	10.20	452.00	10.60	516.00	10.10	453.00	10.60	450.00	10.80	508.00	10.00	465.00	11.00	462.00	9.80
510.00	10.20	522.00	10.60	570.00	10.90	529.00	10.00	535.00	10.00	561.00	10.30	493.00	9.70	550.00	10.30
550.00	9.50	566.00	10.00	620.00	10.70	649.00	10.70	635.00	10.00	601.00	10.70	541.00	10.00	627.00	11.00
589.00	8.30	603.00	9.60	712.00	9.90	743.00	3.50	708.00	5.70	692.00	6.70	598.00	10.20	654.00	9.30
619.00	8.70	660.00	5.00	727.00	6.30	798.00	.60	741.00	1.70	745.00	5.30	644.00	10.40	712.00	2.90
682.00	3.20	695.00	-.20	784.00	1.90			835.00	.60	788.00	2.40	697.00	7.60	772.00	0.20
762.00	-2.30			842.00	-.70			884.00	-1.00	822.00	-.10	750.00	6.00	838.00	-3.20
				854.00	-2.50							737.00	6.10		
												778.00	3.30		
												815.00	-.30		
												869.00	-1.90		

PROFILE 5

DATE SRVY TIME	700218 73 1200	DATE SRVY TIME	700228 74 1200	DATE SRVY TIME	700305 75 1200	DATE SRVY TIME	700312 76 1200	DATE SRVY TIME	700318 77 1200	DATE SRVY TIME	700407 78 1200	DATE SRVY TIME	700412 79 1200	DATE SRVY TIME	700418 80 1200
331.50	31.00	343.00	30.50	335.00	31.00	335.00	31.10	326.00	30.50	334.00	31.00	335.00	27.50	326.00	30.60
380.00	19.50	331.00	15.30	347.00	19.00	368.00	18.20	371.00	18.80	367.00	19.17	371.00	17.00	340.00	20.40
431.50	13.10	445.00	11.30	399.00	18.00	392.00	15.90	427.00	13.00	445.00	11.30	455.00	11.00	368.00	17.40
445.00	11.30	500.00	9.90	431.00	15.20	424.00	13.30	445.00	11.30	480.00	9.70	418.00	9.70	397.00	15.20
500.00	10.10	508.00	10.50	445.00	11.20	445.00	11.00	492.00	9.80	538.00	10.10	501.00	8.60	430.00	15.30
549.00	10.50	607.00	10.00	498.00	9.80	495.00	9.00	530.00	10.20	599.00	11.00	552.00	9.00	442.00	13.10
602.00	11.10	668.00	4.60	549.00	10.50	545.00	10.40	593.00	10.00	637.00	7.70	599.00	8.70	475.00	11.20
672.00	6.70	734.00	2.70	602.00	10.90	593.00	10.00	637.00	8.90	669.00	5.00	638.00	7.70	508.00	11.40
708.00	1.40	788.00	.00	648.00	7.70	628.00	9.20	683.00	5.70	693.00	4.40	690.00	6.60	527.00	12.10
768.00	-.90	830.00	-.70	674.00	7.70	666.00	5.50	730.00	3.70	735.00	1.50	681.00	1.50	607.00	13.00
845.00	-1.60			747.00	1.70	723.00	3.80	760.00	0.00	784.00	-1.00	706.00	1.90	630.00	10.80
				786.00	.60	760.00	.30	812.00	-1.10			766.00	-2.40	664.00	6.00
				833.00	-1.10	773.00	-.90							687.00	3.30
				882.00	-3.10									702.00	.00

PROFILE 5

DATE SRVY TIME	701201 81 1200	DATE SRVY TIME	701218 82 1200	DATE SRVY TIME	710108 83 1200	DATE SRVY TIME	710212 84 1200	DATE SRVY TIME	710309 85 1200	DATE SRVY TIME	710408 86 1200	DATE SRVY TIME	710604 87 1200	DATE SRVY TIME	710811 88 1200
323.00	30.60	318.00	28.50	325.00	30.70	327.00	30.80	330.00	30.70	328.00	30.60	326.00	30.70	328.00	29.00
340.00	25.40	340.00	27.50	340.00	26.20	335.00	29.00	335.00	29.30	335.00	29.40	355.00	29.30	340.00	26.90
363.00	19.00	368.00	22.60	343.00	19.70	343.00	27.00	343.00	24.60	344.00	26.00	344.00	20.00	367.00	20.50
409.00	13.90	391.00	17.00	344.00	19.90	367.00	19.70	370.00	19.70	368.00	21.50	372.00	19.10	413.00	14.90
426.00	13.70	439.00	18.70	368.00	14.30	392.00	16.10	410.00	15.60	394.00	15.40	391.00	15.80	452.00	11.60
439.00	11.50	470.00	10.00	439.00	12.80	422.00	14.20	449.00	11.80	410.00	14.80	419.00	14.50	499.00	10.40
476.00	9.90	523.00	10.90	481.00	10.80	487.00	10.10	493.00	10.20	444.00	11.40	450.00	11.80	550.00	10.20
529.00	10.10	578.00	10.90	507.00	10.10	551.00	10.60	549.00	10.20	483.00	10.50	493.00	10.40	603.00	10.40
581.00	10.80	608.00	10.50	557.00	10.50	613.00	10.60	609.00	10.50	523.00	10.60	534.00	10.40	633.00	11.00
632.00	9.50	653.00	7.10	613.00	10.70	674.00	6.00	664.00	6.30	567.00	10.40	570.00	10.10	672.00	8.80
674.00	9.20	704.00	4.20	649.00	8.20	731.00	5.00	704.00	3.40	625.00	7.50	616.00	7.90	721.00	3.60
716.00	3.40	738.00	1.20	684.00	6.40	772.00	1.70	759.00	.80	667.00	5.70	669.00	6.90	752.00	1.20
801.00	1.30			735.00	4.50	834.00	-.10	784.00	.50	729.00	2.40	702.00	7.30	771.00	-.70
850.00	-.70			745.00	3.50	854.00	-1.50	809.00	.40	776.00	.30	726.00	4.40		
884.00	-5.30			771.00	-1.60			854.00	-.80	801.00	-2.00	751.00	1.60		
												769.00	-1.30		
												804.00	-2.50		

PROFILE 5

DATE 8MYY	711008	DATE 8MYY	711201	DATE 8MYY	720108	DATE 8MYY	720131	DATE 8MYY	720209	DATE 8MYY	720228	DATE 8MYY	720315	DATE 8MYY	720328
TIME	88	TIME	98	TIME	91	TIME	92	TIME	93	TIME	94	TIME	95	TIME	96
1200		1200		1200		1200		1200		1200		1200		1200	
327.00	29.60	327.00	29.70	326.50	29.80	325.00	29.70	317.00	15.30	328.00	29.60	324.00	29.80	328.00	29.60
340.00	27.00	340.00	27.10	340.00	27.00	344.00	28.50	400.00	18.90	344.00	28.00	344.00	28.50	344.00	28.00
368.00	24.40	370.00	20.50	371.00	20.00	375.00	19.70	479.00	18.80	372.00	21.00	365.00	21.90	376.00	20.30
413.00	14.60	413.00	14.50	413.00	15.00	414.00	15.00	513.00	14.70	413.00	15.00	394.00	17.00	416.00	15.60
456.00	11.10	445.00	11.10	439.00	11.50	444.00	13.00	573.00	10.60	444.00	13.20	417.00	15.30	444.00	12.90
505.00	10.40	505.00	10.30	512.00	10.50	499.00	10.80	629.00	5.70	491.00	11.70	461.00	13.20	510.00	9.40
543.00	10.10	565.00	11.10	541.00	10.30	550.00	10.50	687.00	3.40	534.00	9.10	482.00	11.20	564.00	5.90
633.00	11.00	629.00	10.50	634.00	10.40	599.00	12.50	734.00	2.30	570.00	8.10	517.00	9.20	639.00	4.70
658.00	10.00	669.00	5.20	671.00	7.90	663.00	8.00	767.00	.50	635.00	4.50	553.00	7.30	700.00	6.70
692.00	9.50	710.00	2.20	720.00	8.60	765.00	.80			707.00	2.60	611.00	5.00	729.00	6.00
698.00	7.10	745.00	.40	792.00	.80	791.00	-2.30			754.00	.90	654.00	4.70	747.00	2.00
732.00	3.20	825.00	-.80	828.00	-.70							726.00	2.40	760.00	.95
776.00	-1.60	887.00	-2.00									784.00	.90	773.00	.20
												829.00	-.20	785.00	-.60

PROFILE 5

DATE 8MYY	720531	DATE 8MYY	720709	DATE 8MYY	721005	DATE 8MYY	721205	DATE 8MYY	730108	DATE 8MYY	730200	DATE 8MYY	730213	DATE 8MYY	730316
TIME	97	TIME	98	TIME	99	TIME	100	TIME	101	TIME	102	TIME	103	TIME	104
1200		1200		1200		1200		1200		1200		1200		1200	
329.00	29.40	327.00	29.20	331.00	29.00	331.00	29.00	329.00	29.20	334.00	29.60	332.00	29.10	328.00	29.30
344.00	28.00	344.00	28.10	344.00	28.00	344.00	28.10	344.00	28.20	344.00	28.10	344.00	28.00	344.00	28.00
364.00	23.40	373.00	23.20	359.00	21.70	359.00	24.10	387.00	27.90	418.00	13.20	371.00	25.90	359.00	22.00
418.00	15.80	419.00	15.10	397.00	17.20	383.00	22.30	419.00	15.20	457.00	13.50	416.00	15.40	387.00	18.40
440.00	13.10	468.00	11.10	418.00	15.20	399.00	17.40	431.00	14.70	468.00	11.00	452.00	13.00	416.00	15.50
476.00	11.20	518.00	7.80	458.00	11.90	418.00	15.30	455.00	13.20	512.00	8.70	473.00	10.80	450.00	13.50
514.00	8.80	544.00	8.40	496.00	9.00	452.00	11.40	473.00	11.40	561.00	9.40	521.00	8.70	466.00	11.20
546.00	7.50	621.00	8.00	541.00	7.20	484.00	11.00	523.00	8.70	622.00	9.10	574.00	9.10	479.00	10.00
606.00	9.10	724.00	6.60	596.00	5.90	499.00	9.30	581.00	8.30	668.00	6.50	614.00	9.50	565.00	9.00
709.00	3.50	774.00	1.00	655.00	4.40	534.00	8.20	636.00	9.50	741.00	6.20	694.00	5.70	559.00	9.00
731.00	.10	807.00	-1.30	691.00	4.80	557.00	9.10	694.00	5.40	787.00	1.50	744.00	1.50	592.00	9.30
741.00	-.20			718.00	5.00	634.00	8.40	761.00	2.50	878.00	-.40	816.00	-1.30	605.00	6.10
				745.00	1.80	684.00	6.50	823.00	.40			854.00	-2.30	699.00	3.30
				761.00	.30	753.00	3.00	870.00	.30					731.00	1.40
				778.00	-.90	824.00	1.40	898.00	-.60					769.00	.50
						873.00	.80							820.00	-1.00
						924.00	.30								
						944.00	-1.20								

PROFILE 5

DATE 8MYY	730324	DATE 8MYY	730407	DATE 8MYY	730612	DATE 8MYY	730913	DATE 8MYY	731019
TIME	105	TIME	106	TIME	107	TIME	108	TIME	109
1200		1200		1200		1200		1200	
344.00	28.00	329.00	29.30	323.00	28.90	324.00	29.00	329.00	29.40
349.00	22.40	344.00	26.00	344.00	26.70	344.00	26.00	344.00	26.00
383.00	18.10	381.00	22.20	381.00	22.00	357.00	22.00	360.00	22.30
416.00	15.60	419.00	15.59	392.00	17.40	404.00	17.00	401.00	17.20
452.00	15.00	444.00	14.00	437.00	14.70	458.00	11.90	439.00	14.60
465.00	13.30	452.00	13.60	452.00	13.50	484.00	11.20	471.00	11.20
467.00	12.30	460.00	12.10	498.00	9.50	504.00	9.30	487.00	10.60
516.00	9.00	502.00	9.20	540.00	8.40	550.00	10.00	503.00	9.20
574.00	9.10	554.00	8.80	602.00	8.00	599.00	8.30	525.00	8.40
619.00	8.50	604.00	8.30	654.00	8.90	639.00	8.40	565.00	8.40
655.00	8.40	643.00	9.60	692.00	10.30	669.00	8.20	607.00	10.50
695.00	8.00	684.00	8.70	758.00	8.70	712.00	10.30	667.00	11.50
725.00	8.40	735.00	4.60	779.00	2.90	745.00	8.50	687.00	8.80
765.00	2.90	784.00	2.90	843.00	-.40	747.00	6.60	726.00	8.00
		825.00	1.55	812.00	-1.80	773.00	3.00	772.00	-.10
		860.00	.30			802.00	-.90	790.00	-.70
		847.00	-1.10						

PROFILE 6

DATE 8MYY	821511	DATE 8MYY	821629	DATE 8MYY	821708	DATE 830107		DATE 830123		DATE 830207		DATE 830221		DATE 830312	
TIME	1	TIME	2	TIME	3	TIME	4	TIME	5	TIME	6	TIME	7	TIME	8
1200		1200		1200		1200		1200		1200		1200		1200	
97.00	18.40	188.00	19.60	195.00	19.50	5.00	6.80	14.00	6.50	264.00	22.90	247.00	22.50	231.00	22.70
190.00	18.20	234.00	22.20	232.00	20.80	145.00	16.20	48.00	8.40	301.00	18.80	262.00	23.00	251.00	23.40
216.00	19.70	277.00	21.00	245.00	22.50	241.00	22.12	151.00	16.70	324.00	13.00	299.00	19.30	288.00	18.80
241.00	22.30	321.00	12.70	255.00	23.10	262.00	22.95	243.00	22.30	372.00	9.10	330.00	12.50	316.00	12.90
275.00	22.70	379.00	8.90	270.00	22.90	287.00	21.00	262.00	22.00	416.00	8.00	362.00	9.10	324.00	9.40
306.00	20.60	450.00	5.80	295.00	19.90	310.00	15.30	291.00	20.70	455.00	6.00	394.00	6.60	386.00	8.60
371.00	9.70	475.00	8.50	322.00	15.20	370.00	7.60	334.00	11.90	492.00	2.00	442.00	4.70	446.00	5.20
436.00	7.20	534.00	-.40	412.00	9.80	384.00	6.70	386.00	7.40	502.00	8.00	494.00	1.80	483.00	1.90
471.00	1.70					418.00	2.90	413.00	8.10			535.00	8.00	514.00	.80
519.00	1.50					441.00	5.80	531.00	8.00			562.00	-.40		
611.00	.70					501.00	1.75								

PROFILE 9

DATE 8MYY TIME	830321 9 1200	DATE 8MYY TIME	830409 10 1200	DATE 8MYY TIME	830429 11 1200	DATE 8MYY TIME	830509 12 1200	DATE 8MYY TIME	830617 13 1200	DATE 8MYY TIME	830710 14 1200	DATE 8MYY TIME	830815 15 1200	DATE 8MYY TIME	830925 16 1200
253.00	27.70	251.00	23.10	271.00	22.50	242.00	23.00	244.00	22.80	300.00	18.50	258.00	23.50	255.00	23.60
274.00	22.20	264.00	22.90	278.00	21.60	279.00	21.70	267.00	23.90	324.00	13.15	290.00	20.80	295.00	20.20
325.00	13.50	295.00	18.00	295.00	19.10	302.00	18.30	287.00	21.10	365.00	6.65	305.00	18.30	325.00	13.10
349.00	10.30	324.00	13.20	371.00	13.10	324.00	13.20	324.00	13.20	390.00	6.25	330.00	11.80	354.00	10.20
406.00	8.30	357.00	9.00	347.00	8.60	367.00	8.80	358.00	9.20	424.00	6.60	355.00	9.10	373.00	8.60
465.00	5.00	387.00	8.00	407.00	5.60	417.00	8.20	386.00	8.40	451.00	6.00	402.00	6.60	399.00	5.20
491.00	2.40	433.00	7.00	444.00	4.40	447.00	8.50	433.00	8.70	473.00	6.00	440.00	6.40	421.00	5.50
519.00	.60	504.00	2.50	524.00	0.00	482.00	2.30	576.00	4.50	499.00	6.83	487.00	6.00	435.00	6.00
539.00	.10	599.00	1.60			531.00	4.60			550.00	.30	562.00	.20	458.00	5.10
										583.00	4.10			503.00	2.40

PROFILE 8

DATE 8MYY TIME	831030 17 1200	DATE 8MYY TIME	831101 18 1200	DATE 8MYY TIME	831115 19 1200	DATE 8MYY TIME	840104 20 1200	DATE 8MYY TIME	840121 21 1200	DATE 8MYY TIME	840312 22 1200	DATE 8MYY TIME	840511 23 1200	DATE 8MYY TIME	840714 24 1200
294.00	19.90	294.00	19.90	371.00	14.00	244.00	23.30	202.00	19.40	244.00	23.60	290.00	23.60	271.00	23.50
333.00	12.10	334.00	12.10	333.00	11.70	293.00	20.60	252.00	21.50	275.00	22.30	299.00	19.90	334.00	11.80
371.00	8.40	372.00	8.30	424.00	5.40	322.00	12.00	302.00	19.00	303.00	19.60	335.00	11.80	374.00	7.00
412.00	8.50	412.00	8.85	515.00	6.30	373.00	7.90	333.00	12.00	334.00	12.00	367.00	7.90	413.00	8.10
456.00	7.80	456.00	7.70	560.00	.70	425.00	6.50	382.00	11.00	347.00	9.00	414.00	7.90	447.00	8.00
489.00	8.20	500.00	8.10			456.00	1.50	400.00	8.00	410.00	5.10	450.00	7.30	479.00	6.30
544.00	1.60	544.00	1.50					382.00	8.30	447.00	5.60	499.00	0.00	508.00	2.50
596.00	41.80	597.00	41.80					423.00	8.00	572.00	.50	546.00	1.40		
								468.00	1.80	610.00	4.60	595.00	.50		

PROFILE 8

DATE 8MYY TIME	840910 25 1200	DATE 8MYY TIME	841108 26 1200	DATE 8MYY TIME	850218 27 1200	DATE 8MYY TIME	850412 28 1200	DATE 8MYY TIME	850527 29 1200	DATE 8MYY TIME	850816 30 1200	DATE 8MYY TIME	851127 31 1200	DATE 8MYY TIME	860415 32 1200
248.00	28.10	239.00	28.10	336.00	12.30	325.00	12.90	259.00	20.40	279.00	22.80	290.00	20.50	271.00	22.80
292.00	22.00	301.00	19.30	370.00	10.50	369.00	10.60	294.00	20.10	300.00	19.90	320.00	11.60	301.00	18.30
360.00	8.90	337.00	12.00	584.00	7.20	401.00	8.90	327.00	15.00	335.00	12.00	353.00	8.90	329.00	12.10
408.00	9.80	377.00	10.00	417.00	7.80	438.00	7.60	359.00	10.50	396.00	8.30	382.00	6.30	374.00	7.60
492.00	2.90	435.00	9.00	474.00	.20	487.00	1.60	419.00	8.00	442.00	7.30	423.00	3.30	407.00	6.70
540.00	.50	465.00	7.50	545.00	4.60			480.00	8.00	480.00	5.50			442.00	4.10
		525.00	3.50					505.00	5.80	515.00	4.00				
								535.00	1.80	530.00	3.20				
								550.00	4.00						

PROFILE 8

DATE 8MYY TIME	860402 34 1200	DATE 8MYY TIME	870113 35 1200	DATE 8MYY TIME	870215 36 1200	DATE 8MYY TIME	870401 37 1200	DATE 8MYY TIME	870326 38 1200	DATE 8MYY TIME	870921 39 1200	DATE 8MYY TIME	871107 40 1200	DATE 8MYY TIME	871206 41 1200
248.00	25.10	276.00	22.00	248.00	26.10	265.00	25.80	248.00	26.30	244.00	26.30	246.00	26.20	245.00	26.30
271.00	23.80	328.00	13.00	370.00	18.90	288.00	18.90	306.00	18.40	301.00	18.90	342.00	18.80	321.00	18.80
290.00	21.00	421.00	6.20	375.00	13.20	331.00	12.40	324.00	14.00	330.00	12.20	333.00	12.30	322.00	13.40
332.00	12.10	518.00	1.30	347.00	8.90	430.00	5.10	402.00	7.00	361.00	10.10	381.00	9.80	332.00	10.00
355.00	9.00			418.00	5.50	483.00	2.80	439.00	7.80	423.00	10.40	459.00	9.10	434.00	10.00
375.00	8.10			441.00	3.70			475.00	4.00	501.00	6.40	442.00	7.70	482.00	8.70
432.00	8.00							508.00	3.20	525.00	4.10	506.00	6.80	485.00	8.10
500.00	1.60											527.00	2.70	545.00	1.30
540.00	41.10													561.00	.80

PROFILE 8

DATE 8MYY TIME	880105 42 1200	DATE 8MYY TIME	880111 43 1200	DATE 8MYY TIME	880116 44 1200	DATE 8MYY TIME	880128 45 1200	DATE 8MYY TIME	880131 46 1200	DATE 8MYY TIME	880203 47 1200	DATE 8MYY TIME	880218 48 1200	DATE 8MYY TIME	880220 49 1200
199.00	19.70	246.00	26.30	245.00	26.30	245.00	26.30	248.00	26.30	248.00	26.30	243.00	26.30	246.00	26.20
246.00	22.90	260.00	24.80	271.00	23.50	254.00	25.10	259.00	24.30	273.00	22.20	275.00	22.60	264.00	25.00
255.00	25.90	278.00	22.00	294.00	19.40	273.00	22.80	274.00	22.80	291.00	19.40	296.00	18.70	275.00	22.60
247.00	26.30	306.00	16.20	325.00	13.50	280.00	21.00	261.00	21.00	314.00	14.20	326.00	13.00	299.00	18.70
273.00	21.00	329.00	13.60	350.00	11.50	299.00	18.70	296.00	18.90	383.00	9.60	404.00	8.80	336.00	12.60
300.00	18.40	356.00	11.10	375.00	10.80	323.00	15.00	313.00	15.50	409.00	8.30	439.00	8.00	406.00	9.00
326.00	15.90	394.00	10.00	455.00	5.30	362.00	10.20	344.00	11.80	455.00	8.30	469.00	6.30	479.00	5.80
350.00	11.10	425.00	7.00	498.00	5.90	416.00	7.30	372.00	10.30	474.00	6.60	499.00	4.80	500.00	3.10
385.00	10.40	486.00	6.80	515.00	3.50	451.00	5.30	419.00	7.20	503.00	5.90	514.00	2.10		
447.00	5.60	530.00	3.10			494.00	6.50	440.00	7.70	525.00	4.10				
539.00	3.40	566.00	1.40			518.00	2.90	467.00	7.40	534.00	1.90				
						544.00	1.10	537.00	.20						

PROFILE 4

DATE 8RVY 50 TIME 1200		DATE 8RVY 51 TIME 1200		DATE 8RVY 52 TIME 1200		DATE 8RVY 53 TIME 1200		DATE 8RVY 54 TIME 1200		DATE 8RVY 55 TIME 1200		DATE 8RVY 56 TIME 1200		DATE 8RVY 57 TIME 1200	
248.00	26.30	257.00	26.10	248.00	26.20	248.00	26.10	248.00	26.10	247.00	26.90	188.00	19.80	247.00	26.20
274.00	22.20	274.00	22.50	274.00	22.60	275.00	22.10	273.00	22.80	271.00	24.10	228.00	26.30	277.00	22.00
301.00	18.30	299.00	18.50	296.00	19.30	299.00	19.30	300.00	18.40	282.00	21.70	276.00	23.00	282.00	21.10
334.00	11.40	330.00	12.20	330.00	12.80	312.00	12.60	325.00	12.80	297.00	18.70	311.00	11.70	299.00	18.80
379.00	9.90	386.00	9.60	366.00	10.80	388.00	9.30	385.00	11.30	323.00	14.10	416.00	6.10	336.00	11.50
491.00	8.70	415.00	7.70	433.00	8.80	427.00	8.20	413.00	8.10	334.00	12.90	491.00	7.30	380.00	9.60
667.00	5.80	464.00	5.80	475.00	6.20	466.00	5.70	475.00	6.20	384.00	9.60	536.00	1.80	408.00	5.60
696.00	1.70	499.00	6.20	517.00	1.80	490.00	6.60	515.00	5.30	434.00	6.80			502.00	3.50
		534.00	2.90			527.00	1.30	544.00	.60	468.00	7.10			527.00	5.20
								560.00	0.00	521.00	2.60			585.00	-.40
										572.00	.10			656.00	-2.90
										587.00	-.50			737.00	-6.50
										618.00	-2.20				

PROFILE 6

DATE 8RVY 58 TIME 1200		DATE 8RVY 59 TIME 1200		DATE 8RVY 60 TIME 1200		DATE 8RVY 61 TIME 1200		DATE 8RVY 62 TIME 1200		DATE 8RVY 63 TIME 1200		DATE 8RVY 64 TIME 1200		DATE 8RVY 65 TIME 1200	
247.00	27.30	247.00	28.50	247.00	28.50	247.00	28.40	247.00	28.20	247.00	28.20	205.00	25.30	247.00	28.40
256.00	28.20	274.00	23.80	270.00	23.50	270.00	23.60	270.00	23.00	270.00	23.90	228.00	25.80	266.00	25.20
276.00	23.20	288.00	20.60	282.00	21.20	303.00	18.50	283.00	21.20	282.00	21.10	287.00	25.90	284.00	20.90
292.00	21.20	300.00	18.30	299.00	18.30	336.00	14.50	300.00	18.20	299.00	18.50	275.00	23.40	299.00	21.00
294.00	19.40	339.00	11.90	328.00	12.80	356.00	9.40	324.00	13.40	319.00	14.30	308.00	16.00	317.00	10.50
304.00	17.40	407.00	9.10	350.00	10.40	450.00	5.80	352.00	10.70	348.00	10.80	335.00	11.30	355.00	10.90
336.00	11.10	459.00	7.20	411.00	8.60	464.00	3.70	403.00	9.00	387.00	9.40	392.00	10.50	388.00	9.00
386.00	6.90	509.00	5.10	415.00	8.20			442.00	6.70	444.00	6.60	447.00	7.00	432.00	8.10
450.00	3.40	597.00	-.60	464.00	6.30			481.00	5.80	506.00	4.60	529.00	3.00	474.00	7.60
494.00	7.70	683.00	-4.60	464.00	4.70			521.00	.80	534.00	4.40	594.00	.50	518.00	6.40
535.00	4.40			494.00	3.20			583.00	0.00	581.00	1.70	625.00	-.30	562.00	4.70
588.00	4.90			503.00	1.70			664.00	-.50	681.00	-2.30			617.00	3.90
678.00	-4.40									761.00	-6.00			677.00	-2.10

PROFILE 8

DATE 8RVY 66 TIME 1200		DATE 8RVY 67 TIME 1200		DATE 8RVY 68 TIME 1200		DATE 7001[illegible] 69 TIME 1200		DATE 7001[illegible] 70 TIME 1200		DATE 7001[illegible] 71 TIME 1200		DATE 7001[illegible] 72 TIME 1200		DATE 7001[illegible] 73 TIME 1200	
247.00	26.50	247.00	28.70	247.00	28.60	615.00	26.60	280.00	22.00	280.00	22.00	275.00	23.70	247.00	26.90
271.00	24.20	272.00	23.90	282.00	20.90	244.00	26.60	287.00	22.00	294.00	22.50	331.00	13.10	271.00	23.40
298.00	22.40	289.00	21.00	298.00	19.80	252.00	21.40	298.00	22.10	294.00	22.10	373.00	10.90	291.00	22.10
329.00	12.80	294.00	21.40	333.00	17.60	264.00	20.80	338.00	12.00	331.00	12.90	406.00	10.15	302.00	18.30
371.00	10.50	329.00	18.90	360.00	10.30	298.00	12.90	393.00	9.70	338.00	12.40	450.00	6.20	328.00	13.00
439.00	8.40	392.00	10.40	430.00	9.50	347.00	9.90	464.00	10.00	357.00	10.50	516.00	8.00	368.00	10.30
501.00	9.40	502.00	7.00	480.00	10.40	390.00	9.90	511.00	8.60	423.00	9.80	563.00	8.80	424.00	8.60
543.00	10.30	552.00	6.60	547.00	8.50	447.00	10.20	553.00	6.90	481.00	10.00	688.00	-.40	478.00	7.00
601.00	2.60	592.00	2.00	596.00	.90	527.00	5.80	587.00	2.90	506.00	8.90	716.00	-6.10	528.00	4.90
616.00	1.40	682.00	-3.40			573.00	3.70	619.00	.70	559.00	5.20			588.00	1.40
651.00	.30					629.00	-3.00			601.00	1.30			654.00	-1.70
										661.00	-2.60				

PROFILE 9

DATE 8RVY 74 TIME 1200		DATE 8RVY 75 TIME 1200		DATE 8RVY 76 TIME 1200		DATE 8RVY 77 TIME 1200		DATE 8RVY 78 TIME 1200		DATE 8RVY 79 TIME 1200		DATE 8RVY 80 TIME 1200		DATE 8RVY 81 TIME 1200	
247.00	26.80	248.00	26.90	248.00	26.80	246.00	26.80	247.00	26.70	243.00	26.90	247.00	26.80	247.00	26.60
271.00	23.80	273.00	23.60	274.00	23.20	277.00	22.00	277.00	23.20	272.00	24.30	275.00	23.40	273.00	24.00
280.00	21.50	292.00	21.20	293.00	21.10	295.00	21.40	284.00	21.20	282.00	21.80	282.00	21.10	286.00	21.20
326.00	13.00	328.00	13.00	328.00	13.50	328.00	13.00	328.00	12.80	303.00	17.50	324.00	13.90	325.00	13.00
378.00	10.60	371.00	10.90	395.00	10.40	370.00	10.70	370.00	10.40	325.00	12.50	423.00	10.70	368.00	10.50
435.00	9.20	431.00	9.60	466.00	8.20	415.00	9.90	438.00	9.60	392.00	10.30	478.00	9.50	418.00	9.90
486.00	7.30	466.00	7.60	496.00	6.70	461.00	8.60	498.00	6.40	457.00	9.10	484.00	9.40	467.00	11.00
536.00	6.10	524.00	7.70	520.00	6.50	513.00	8.00	560.00	6.40	497.00	7.70	545.00	10.50	514.00	12.50
588.00	1.00	581.00	3.30	560.00	5.00	560.00	5.70	598.00	2.00	522.00	8.20	590.00	11.40	562.00	5.30
635.00	-.80	636.00	-1.00	588.00	1.30	591.00	1.80	648.00	.20	567.00	9.60	578.00	8.20	599.00	.40
		650.00	-8.20	613.00	-2.00	621.00	-2.10	678.00	-2.20	609.00	6.40	608.00	6.30	631.00	-.70
										647.00	.50	628.00	3.10		
												634.00	-.40		

PROFILE 5

DATE SHVY TIME	T01218 82 1200	DATE SHVY TIME	T01308 83 1200	DATE SHVY TIME	T10212 84 1200	DATE SHVY TIME	T10308 85 1200	DATE SHVY TIME	T10408 86 1200	DATE SHVY TIME	T10604 87 1200	DATE SHVY TIME	T10811 88 1200	DATE SHVY TIME	T11008 89 1200
325.00	12.90	247.00	28.80	247.00	28.90	247.00	26.90	247.00	28.90	247.00	28.70	247.00	26.90	247.00	28.90
370.00	10.50	277.00	23.00	274.00	24.30	278.00	20.50	276.00	23.00	267.00	25.50	269.00	24.80	269.00	24.70
410.00	10.90	293.00	22.70	288.00	20.00	296.00	20.90	296.00	19.00	275.00	23.90	284.00	19.20	283.00	20.10
477.00	11.40	325.00	12.90	370.00	10.20	328.00	12.70	328.00	12.70	287.00	19.50	330.00	12.60	334.00	12.80
520.00	8.90	340.00	11.00	420.00	10.50	345.00	10.90	339.00	11.00	328.00	12.50	356.00	11.10	354.00	11.30
565.00	6.70	384.00	10.20	484.00	11.30	370.00	9.70	377.00	9.70	350.00	10.80	382.00	10.00	385.00	10.20
575.00	.60	420.00	10.60	508.00	9.70	408.00	9.80	425.00	10.40	388.00	9.80	420.00	10.50	424.00	9.90
		477.00	11.20	555.00	4.70	448.00	10.30	488.00	10.40	420.00	10.30	476.00	7.80	532.00	10.50
		500.00	9.50	604.00	1.60	484.00	10.10	518.00	6.60	463.00	10.20	536.00	10.40	567.00	9.10
		519.00	9.50	652.00	.20	523.00	7.00	581.00	3.00	511.00	8.70	574.00	8.40	577.00	3.30
		565.00	5.00	670.00	-.40	563.00	3.40	634.00	.90	570.00	8.30	623.00	2.40	629.00	-1.80
		609.00	2.00	718.00	-.90	615.00	-.30	671.00	-.90	599.00	5.60	686.00	-.70		
		660.00	0.00	758.00	-1.50	655.00	-1.00	708.00	-1.60	629.00	1.30				
		685.00	-1.50	778.00	-2.10	669.00	-1.30			663.00	-.40				
										649.00	.10				
										693.00	-.20				
										742.00	-2.40				

PROFILE 6

DATE SHVY TIME	T11201 90 1200	DATE SHVY TIME	T20105 91 1200	DATE SHVY TIME	T20131 92 1200	DATE SHVY TIME	T20209 93 1200	DATE SHVY TIME	T20222 94 1200	DATE SHVY TIME	T20301 95 1200	DATE SHVY TIME	T20320 96 1200	DATE SHVY TIME	T20531 97 1200
259.00	25.30	247.00	28.90	237.00	26.70	310.00	14.40	250.00	26.70	200.00	26.10	274.00	22.80	260.00	26.10
269.00	22.40	253.00	28.80	280.00	24.10	344.00	10.50	280.00	24.20	278.00	22.00	293.00	17.10	282.00	21.70
287.00	19.70	269.00	24.80	288.00	20.00	365.00	10.00	289.00	20.00	310.00	15.50	315.00	15.30	307.00	16.20
317.00	17.70	278.00	22.00	329.00	11.90	459.00	10.30	329.00	11.90	338.00	11.10	328.00	12.00	352.00	11.20
451.00	9.80	298.00	18.90	360.00	10.10	460.00	10.00	388.00	10.00	365.00	10.70	385.00	10.70	457.00	10.80
511.00	10.20	330.00	12.70	413.00	10.20	513.00	10.50	390.00	11.00	403.00	11.10	443.00	11.10	452.00	11.00
541.00	10.10	396.00	10.00	446.00	9.70	544.00	7.20	450.00	11.10	450.00	11.20	516.00	9.80	462.00	10.40
586.00	10.20	449.00	10.30	513.00	5.70	602.00	5.00	531.00	8.70	510.00	7.40	571.00	7.80	518.00	10.40
631.00	9.60	513.00	10.30	543.00	9.50	850.00	4.20	580.00	4.90	578.00	7.60	653.00	5.80	587.00	5.70
679.00	7.40	604.00	7.20	587.00	6.80			611.00	2.80	630.00	2.60	633.00	2.50	632.00	.60
731.00	.90	644.00	1.90	608.00	3.40			642.00	1.40	666.00	-.50	654.00	1.60	644.00	-.30
761.00	-2.50	678.00	-1.60	650.00	.50							676.00	.30		
				675.00	-1.30							696.00	-.40		

PROFILE 8

DATE SHVY TIME	T20809 98 1200	DATE SHVY TIME	T21001 99 1200	DATE SHVY TIME	T21205 100 1200	DATE SHVY TIME	T30101 101 1200	DATE SHVY TIME	T30204 102 1200	DATE SHVY TIME	T30213 103 1200	DATE SHVY TIME	T30318 104 1200	DATE SHVY TIME	T30324 105 1200
263.00	26.20	247.00	27.20	247.00	27.00	247.00	26.50	247.00	26.80	265.00	25.90	247.00	26.90	247.00	26.90
292.00	22.30	260.00	26.40	262.00	26.50	261.00	26.20	278.00	22.80	276.00	23.30	276.00	23.20	263.00	26.90
336.00	27.90	272.00	23.80	277.00	23.50	277.00	23.10	302.00	18.50	301.00	16.70	343.00	18.20	278.00	23.20
384.00	21.10	292.00	19.70	302.00	18.50	301.00	18.40	328.00	13.70	327.00	12.80	326.00	12.60	301.00	18.70
402.00	11.20	324.00	13.00	328.00	12.90	327.00	12.90	356.00	11.50	351.00	12.90	352.00	13.10	328.00	12.70
432.00	11.50	367.00	11.00	341.00	11.00	350.00	10.90	402.00	11.90	367.00	11.40	400.00	11.90	366.00	11.30
470.00	11.60	434.00	11.20	402.00	11.00	370.00	13.00	444.50	11.00	401.00	11.60	454.00	11.90	408.00	12.00
510.00	11.70	457.00	11.10	446.00	12.10	421.00	13.60	485.00	9.40	405.00	12.00	480.00	11.40	491.00	11.60
582.00	5.20	500.00	11.30	490.00	11.50	473.00	13.70	532.00	7.50	408.00	10.90	534.00	9.80	526.00	7.60
612.00	-.10	506.00	9.30	518.00	9.90	515.00	10.10	591.00	2.70	536.00	7.60	561.00	9.60	555.00	4.30
		516.00	7.85	587.00	5.50	554.00	9.20	639.00	-1.40	586.00	4.90	595.00	6.50	571.00	-2.80
		541.00	6.60	599.00	5.40	602.00	6.50			616.00	2.90	618.00	5.70		
		563.00	3.10	629.00	1.70	647.00	4.00			633.00	2.30	651.00	1.70		
		578.00	-1.20	665.00	-.80	695.00	1.90			668.00	-1.80	672.00	.30		
						729.00	-.10					690.00	-.80		
						738.00	-.60								

PROFILE 9

DATE SHVY TIME	T30403 106 1200	DATE SHVY TIME	T30612 107 1200	DATE SHVY TIME	T30911 108 1200	DATE SHVY TIME	T31218 109 1200
247.00	28.80	263.00	26.95	247.00	27.00	255.00	19.30
265.00	28.20	278.00	24.55	275.00	23.80	276.00	23.40
290.00	22.70	298.00	18.60	303.00	18.70	328.00	19.85
313.00	18.70	329.00	12.70	329.00	12.90	341.00	12.25
326.00	17.70	353.00	13.00	352.00	12.40	356.00	12.90
335.00	13.50	376.00	11.30	400.00	11.20	376.00	11.10
355.00	12.50	404.00	11.80	440.00	11.00	432.00	11.20
360.00	11.50	458.00	10.30	489.00	11.30	457.00	11.00
398.00	10.40	532.00	9.80	521.00	9.90	525.00	10.50
401.00	11.70	569.00	9.75	572.00	11.00	557.00	8.30
478.00	11.80	579.00	8.60	593.00	10.30	582.00	6.00
496.00	10.60	596.00	8.30	600.00	9.80	622.00	3.90
532.00	12.00	637.00	.40	621.00	7.00	667.00	1.10
604.00	5.00	669.00	-1.00	622.00	5.60	685.00	.40
608.00	1.50			642.00	1.60	706.00	-.30
700.00	-.20			693.00	-.30		
				718.00	-1.20		

PROFILE 7

DATE 621011		DATE 621029		DATE 621206		DATE 630107		DATE 630123		DATE 630207		DATE 630221		DATE 630312	
SHVY 1		SHVY 2		SHVY 3		SHVY 4		SHVY 5		SHVY 6		SHVY 7		SHVY 8	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
215.00	7.50	217.00	7.40	296.00	21.10	0.00	6.50	4.00	4.40	290.00	20.40	288.00	20.70	295.00	20.40
246.00	19.30	285.00	11.80	297.00	17.30	50.00	6.80	60.00	7.10	293.00	18.30	294.00	19.20	334.00	10.70
286.00	20.70	289.00	20.90	332.00	13.20	90.00	8.50	100.00	6.40	324.00	14.10	325.00	16.40	448.00	2.00
359.00	11.10	312.00	18.30	338.00	10.70	208.00	7.40	222.00	8.30	341.00	8.90	321.00	14.10	488.00	.80
383.00	9.00	337.00	18.60	377.00	5.70	258.00	7.90	245.00	10.90	374.00	7.70	336.00	9.60		
414.00	7.00	379.00	4.80			302.00	14.90	259.00	11.30	401.00	7.50	454.00	2.80		
468.00	.10	419.00	6.00			341.00	12.20	288.00	20.60	450.00	1.20	495.00	1.30		
492.00	-1.50	448.00	3.60			353.00	8.70	320.00	14.00	467.00	-.10	558.00	-.90		
520.00	-.30	479.00	1.10			392.00	7.30	336.00	9.20						
593.00	-.70	504.00	.60			452.00	3.30	352.00	8.20						
		516.00	5.00					378.00	7.70						
		534.00	-.10					431.00	5.10						
								471.00	.50						
								463.00	-.20						

PROFILE 7

DATE 630321		DATE 630409		DATE 630424		DATE 630508		DATE 630617		DATE 630710		DATE 630813		DATE 630929	
SHVY 9		SHVY 10		SHVY 11		SHVY 12		SHVY 13		SHVY 14		SHVY 15		SHVY 16	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
292.00	25.70	285.00	11.80	251.00	10.30	260.00	11.80	290.00	21.10	350.00	8.40	273.00	20.90	289.00	20.40
294.00	19.50	292.00	20.90	290.00	20.90	290.00	21.10	344.00	8.50	399.00	7.10	293.00	20.80	344.00	8.40
342.00	12.00	293.00	19.00	299.00	18.70	315.00	16.50	399.00	7.00	456.00	7.20	355.00	7.50	364.00	8.40
336.00	10.20	312.00	16.30	315.00	18.30	339.00	9.10	435.00	6.30	481.00	5.90	425.00	7.10	402.00	7.20
388.00	5.60	338.00	10.10	337.00	10.10	368.00	7.70	472.00	3.00	551.00	.50	461.00	7.50	439.00	7.10
490.00	.30	359.00	8.00	388.00	7.40	402.00	6.30	510.00	1.90	563.00	.20	492.00	3.20	471.00	5.70
		419.00	8.00	414.00	7.20	442.00	6.40	574.00	.50			573.00	-.20	509.00	3.80
		459.00	2.60	497.00	1.30	469.00	2.80	590.00	-.80						
		488.00	.70	530.00	-.70	498.00	1.00								
		509.00	.70			523.00	-.20								
		515.00	-.10												

PROFILE 7

DATE 631030		DATE 631101		DATE 631115		DATE 640108		DATE 640121		DATE 640312		DATE 640511		DATE 640713	
SHVY 17		SHVY 18		SHVY 19		SHVY 20		SHVY 21		SHVY 22		SHVY 23		SHVY 24	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
290.00	20.60	292.00	19.00	289.00	20.60	287.00	21.50	289.00	20.60	294.00	20.80	288.00	20.50	292.00	21.00
302.00	17.10	347.00	9.20	293.00	19.00	324.00	13.00	344.00	8.20	344.00	9.10	343.00	17.40	345.00	9.10
341.00	9.20	389.00	7.40	330.00	11.30	373.00	9.10	386.00	6.80	374.00	7.70	333.00	10.00	366.00	8.40
388.00	6.00	433.00	5.30	347.00	8.40	400.00	8.00	405.00	6.80	431.00	4.00	344.00	9.10	433.00	8.50
432.00	8.30	480.00	7.30	455.00	8.30	433.00	6.20	438.00	4.50	461.00	2.60	349.00	8.40	488.00	1.90
489.00	7.00	489.00	7.30	475.00	7.70			477.00	1.00	491.00	-1.10	423.00	8.80		
509.00	3.40	509.00	3.80	500.00	2.60					509.00	.30	491.00	4.50		
584.00	-1.90	551.00	.30	574.00	.20					544.00	.10				
		585.00	-1.90							565.00	-.20				

PROFILE 7

DATE 640910		DATE 641109		DATE 650210		DATE 650412		DATE 650627		DATE 650916		DATE 660127		DATE 660415	
SHVY 25		SHVY 26		SHVY 27		SHVY 28		SHVY 29		SHVY 30		SHVY 31		SHVY 32	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
292.00	20.70	286.00	22.00	297.00	21.10	306.00	18.60	288.00	21.20	287.00	21.00	306.00	19.30	286.00	21.70
345.00	9.30	305.00	20.10	344.00	11.70	355.00	11.00	322.00	14.00	345.00	10.50	338.00	11.10	307.00	17.00
390.00	8.90	332.00	12.00	387.00	7.80	397.00	7.40	383.00	11.00	394.00	8.90	384.00	9.00	332.00	11.50
425.00	9.20	412.00	8.80	432.00	6.90	435.00	6.00	452.00	8.10	485.00	7.80	418.00	8.40	340.00	10.00
461.00	6.30	441.00	6.00	491.00	3.40	486.00	5.10	500.00	6.10	520.00	5.00			384.00	6.80
508.00	1.10	495.00	8.50	547.00	1.20			543.00	3.30	564.00	7.10			451.00	8.60
565.00	0.00	523.00	3.40					578.00	.80	592.00	2.30			483.00	4.50
										667.00	1.00				

PROFILE 7

DATE 660820		DATE 660819		DATE 670113		DATE 670315		DATE 670501		DATE 670726		DATE 670921		DATE 671107	
SHVY 33		SHVY 34		SHVY 35		SHVY 36		SHVY 37		SHVY 38		SHVY 39		SHVY 40	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
281.00	21.20	281.00	21.00	240.00	22.00	281.00	22.40	277.00	21.70	274.00	21.60	279.00	22.20	276.00	21.00
322.00	18.50	319.00	18.70	312.00	18.00	319.00	18.10	312.00	18.50	303.00	18.90	324.00	19.10	302.00	19.20
368.00	10.60	344.00	10.70	368.00	10.00	346.00	11.80	322.00	8.60	329.00	9.90	374.00	11.80	328.00	10.90
389.00	8.50	373.00	8.60	377.00	7.90	390.00	6.80	343.00	6.20	356.00	7.10	342.00	7.30	370.00	10.50
439.00	9.20	425.00	9.50	434.00	5.00	441.00	4.20	375.00	3.40	405.00	7.80	405.00	6.20	393.00	7.20
493.00	3.10	527.00	2.10	482.00	2.90					463.00	8.20	430.00	4.20	430.00	5.20
		579.00	-.00	497.00	1.00					495.00	3.20			444.00	2.80
		605.00	-2.00	521.00	.30										

PROFILE T

DATE 8MYY	680120	DATE 8MYY	680205	DATE 8MYY	680211	DATE 8MYY	680218	DATE 8MYY	680224	DATE 8MYY	680231	DATE 8MYY	680207	DATE 8MYY	680214
TIME	41 1200	TIME	42 1200	TIME	43 1200	TIME	44 1200	TIME	45 1200	TIME	46 1200	TIME	47 1200	TIME	48 1200
275.00	23.10	248.00	9.55	271.00	20.80	270.00	21.00	272.00	21.10	274.00	20.90	271.00	21.00	270.00	20.80
356.00	19.10	270.00	21.20	343.00	19.00	294.00	19.50	289.00	19.50	287.00	19.80	302.00	19.90	303.00	19.10
340.00	9.40	304.00	18.70	318.00	13.30	303.00	19.10	318.00	13.80	303.00	18.10	320.00	15.70	317.00	14.40
377.00	9.70	323.00	12.80	304.00	9.80	321.00	12.70	339.00	10.80	325.00	12.40	336.00	10.50	342.00	9.00
405.00	7.50	363.00	8.00	400.00	5.30	350.00	9.00	360.00	8.00	361.00	8.30	351.00	9.70	361.00	7.30
465.00	8.00	400.00	5.20	430.00	5.00	392.00	8.00	385.00	6.40	375.00	6.70	394.00	6.20	409.00	6.30
510.00	2.30	442.00	4.40	470.00	2.00	439.00	4.80	409.00	5.10	403.00	4.30	423.00	5.30	439.00	3.00
571.00	.40	494.00	2.50	501.00	2.40	447.00	3.80	423.00	5.80	424.00	5.40	454.00	2.50	459.00	1.90
		518.00	2.00	511.00	2.20			451.00	4.40	460.00	1.50				
								504.00	2.10	465.00	.20				

PROFILE T

DATE 8MYY	680220	DATE 8MYY	680228	DATE 8MYY	680304	DATE 8MYY	680314	DATE 8MYY	680322	DATE 8MYY	680327	DATE 8MYY	680119	DATE 8MYY	680119
TIME	49 1200	TIME	50 1200	TIME	51 1200	TIME	52 1200	TIME	53 1200	TIME	54 1200	TIME	55 1200	TIME	56 1200
269.00	20.40	271.00	21.00	270.00	20.80	270.00	20.90	270.00	21.00	273.00	21.00	271.00	21.00	238.00	8.30
291.00	19.40	302.00	19.10	301.00	19.20	301.00	19.10	303.00	19.20	304.00	19.00	299.00	19.70	269.00	21.80
329.00	11.50	319.00	18.00	322.00	11.70	327.00	13.20	328.00	11.90	339.00	10.40	306.00	18.80	303.00	18.30
349.00	8.80	329.00	11.40	361.00	6.00	345.00	8.30	374.00	7.40	366.00	7.80	314.00	15.20	325.00	11.70
397.00	5.40	355.00	8.00	401.00	5.40	398.00	5.70	420.00	5.80	418.00	3.80	358.00	7.40	393.00	7.10
439.00	5.20	416.00	4.00	437.00	5.00	438.00	4.10	482.00	1.90	436.00	3.50	401.00	5.50	431.00	7.50
473.00	4.80	429.00	4.00	468.00	3.10	454.00	3.40			525.00	1.20	469.00	3.90	496.00	4.00
498.00	2.80	468.00	3.60			474.00	2.20			541.00	.70	494.00	2.50	517.00	3.00
		452.00	2.50									510.00	2.00	528.00	1.40
												526.00	1.50	544.00	.40
												542.00	0.00		
												576.00	-1.70		

PROFILE T

DATE 8MYY	690129	DATE 8MYY	690207	DATE 8MYY	690213	DATE 8MYY	690224	DATE 8MYY	690228	DATE 8MYY	690310	DATE 8MYY	690314	DATE 8MYY	690321
TIME	57 1200	TIME	58 1200	TIME	59 1200	TIME	60 1200	TIME	61 1200	TIME	62 1200	TIME	63 1200	TIME	64 1200
303.00	19.00	303.00	18.60	303.00	19.30	236.00	8.30	291.00	19.60	290.00	19.60	295.00	19.30	248.00	8.30
322.00	13.00	329.00	11.20	322.00	12.00	270.00	21.50	303.00	18.20	296.00	19.20	294.00	19.00	280.00	21.40
352.00	10.10	371.00	8.50	350.00	9.10	307.00	18.00	307.00	12.40	311.00	6.90	310.00	9.10	290.00	19.30
431.00	3.70	394.00	8.20	341.00	8.70	313.00	10.80	313.00	8.00	338.00	7.30	338.00	7.30	295.00	19.40
488.00	.70	441.00	3.00	398.00	7.00	315.00	9.80	333.00	4.20	374.00	6.80	402.00	7.20	309.00	10.70
523.00	.20	491.00	1.50	459.00	1.30	353.00	5.40	381.00	.50	407.00	3.80	443.00	5.10	350.00	7.10
608.00	-7.20	505.00	-.90	535.00	-1.50	414.00	1.90			455.00	.60	498.00	-1.00	426.00	2.70
										513.00	-7.40	587.00	-4.80		
										650.00	-9.00				

PROFILE T

DATE 8MYY	690416	DATE 8MYY	690418	DATE 8MYY	691125	DATE 8MYY	691220	DATE 8MYY	700135	DATE 8MYY	700122	DATE 8MYY	700129	DATE 8MYY	700211
TIME	65 1200	TIME	66 1200	TIME	67 1200	TIME	68 1200	TIME	69 1200	TIME	70 1200	TIME	71 1200	TIME	72 1200
274.00	20.90	271.00	20.70	270.00	20.40	272.00	20.50	270.00	20.70	289.00	18.90	269.00	20.70	273.00	19.50
294.00	19.30	290.00	18.80	290.00	18.90	288.00	19.10	292.00	18.50	300.00	16.60	299.00	18.30	290.00	16.60
297.00	18.00	317.00	10.50	320.00	12.90	311.00	12.70	308.00	12.80	327.00	11.00	302.00	14.60	302.00	15.10
317.00	10.00	348.00	10.00	385.00	8.00	385.00	8.40	353.00	8.20	358.00	8.00	320.00	11.40	318.00	12.10
349.00	7.90	381.00	10.80	402.00	6.40	429.00	6.70	400.00	8.80	395.00	8.40	355.00	8.20	358.00	9.50
393.00	6.50	420.00	8.50	414.00	4.30	489.00	2.80	438.00	5.90	422.00	7.10	392.00	8.70	400.00	9.00
423.00	9.40	499.00	2.00	472.00	3.10	514.00	.30	465.00	5.00	460.00	7.20	438.00	7.20	445.00	9.50
459.00	2.70	560.00	8.00	515.00	1.40			507.00	2.40	440.00	4.10	487.00	5.90	492.00	1.80
587.00	-2.30	590.00	.50	580.00	-1.00			570.00	-1.30	500.00	1.90	532.00	1.90	526.00	-1.80
				605.00	-1.80					530.00	.40	597.00	-2.70		

PROFILE 7

DATE SHYY TIME	700218 73 1200	DATE SHYY TIME	700225 74 1200	DATE SHYY TIME	700305 75 1200	DATE SHYY TIME	700312 76 1200	DATE SHYY TIME	700318 77 1200	DATE SHYY TIME	700507 78 1200	DATE SHYY TIME	700512 79 1200	DATE SHYY TIME	700530 80 1200
274.00	23.70	265.00	20.10	270.00	23.10	271.00	23.00	271.00	21.00	273.00	19.50	270.00	20.50	272.00	21.20
290.00	22.00	352.00	15.80	290.00	21.70	285.00	20.40	290.00	19.50	289.00	18.50	294.00	17.90	293.00	18.60
301.00	19.10	529.00	11.50	302.00	17.00	298.00	18.50	308.00	18.50	308.00	15.20	312.00	14.30	302.00	17.10
310.00	15.70	577.00	7.50	335.00	13.10	310.00	15.20	337.00	11.30	336.00	10.20	334.00	13.60	320.00	12.90
368.00	11.40	614.00	7.20	387.00	10.20	332.00	11.60	399.00	11.20	379.00	9.00	374.00	10.40	337.00	10.20
399.00	9.60	675.00	3.80	449.00	11.40	402.00	11.30	417.00	12.80	408.00	8.60	404.00	10.80	392.00	11.20
428.00	10.10	552.00	2.00	482.00	9.80	420.00	8.00	448.00	6.80	430.00	8.70	419.00	8.00	458.00	9.60
471.00	5.40	602.00	-.40	519.00	2.30	457.00	5.30	483.00	1.80	480.00	5.70	434.00	8.00	488.00	8.60
504.00	2.70	674.00	-3.20	539.00	2.50	474.00	3.50	515.00	-.80	490.00	2.50	464.00	2.10	512.00	4.00
591.00	1.40			587.00	-.10	498.00	1.00	550.00	-1.50	526.00	-1.10	484.00	.70	524.00	2.40
621.00	-1.50			649.00	-2.70	518.00	-.50					504.00	-.80	564.00	.60

PROFILE 7

DATE SHYY TIME	701202 81 1200	DATE SHYY TIME	701218 82 1200	DATE SHYY TIME	710108 83 1200	DATE SHYY TIME	710212 84 1200	DATE SHYY TIME	710308 85 1200	DATE SHYY TIME	710406 86 1200	DATE SHYY TIME	710604 87 1200	DATE SHYY TIME	710611 88 1200
280.00	20.00	285.00	19.60	283.00	20.10	285.00	20.90	271.00	21.40	285.00	22.00	285.00	22.40	284.00	22.50
290.00	18.70	305.00	15.30	300.00	15.50	298.00	17.10	285.00	21.90	297.00	18.20	292.00	20.00	302.00	18.90
303.00	15.80	333.00	10.80	320.00	12.10	325.00	12.40	315.00	15.30	316.00	13.60	298.00	14.40	327.00	13.10
321.00	12.50	374.00	8.40	362.00	9.70	365.00	8.80	338.00	10.70	347.00	10.20	313.00	14.00	340.00	11.10
357.00	11.10	435.00	6.70	391.00	8.40	398.00	6.80	376.00	9.80	395.00	7.30	338.00	11.30	380.00	11.10
398.00	7.80	475.00	4.50	438.00	5.70	423.00	5.50	424.00	5.60	431.00	4.80	370.00	9.10	412.00	10.00
481.00	1.50	565.00	2.00	457.00	1.70	473.00	3.70	473.00	3.60	474.00	2.50	411.00	10.20	441.00	8.20
498.00	-1.10			503.00	-1.00	523.00	2.20	517.00	2.10	514.00	.70	455.00	8.20	470.00	2.80
						584.00	.50	560.00	1.00	556.00	-1.30	488.00	4.80	520.00	.20
						603.00	-1.00	601.00	.30	581.00	-2.00	449.00	2.10	536.00	-.60
								621.00	-.80			424.00	.20		
												518.00	-.80		
												583.00	-2.20		

PROFILE 7

DATE SHYY TIME	711008 89 1200	DATE SHYY TIME	711201 90 1200	DATE SHYY TIME	720103 91 1200	DATE SHYY TIME	720131 92 1200	DATE SHYY TIME	720205 93 1200	DATE SHYY TIME	720222 94 1200	DATE SHYY TIME	720301 95 1200	DATE SHYY TIME	720328 96 1200
283.00	22.40	281.00	18.80	288.00	21.80	285.00	23.00	297.00	18.90	285.00	22.60	297.00	18.60	287.00	22.20
300.00	14.80	288.00	17.60	300.00	18.20	297.00	16.80	318.00	18.10	297.00	18.80	315.00	15.30	300.00	17.50
333.00	12.10	325.00	12.70	329.00	12.90	326.00	12.90	339.00	11.60	313.00	14.50	340.00	10.10	330.00	11.70
362.00	11.20	380.00	10.70	348.00	8.00	369.00	10.00	388.00	7.00	343.00	10.20	393.00	6.00	370.00	7.90
398.00	10.80	410.00	5.10	442.00	6.30	397.00	9.00	428.00	6.70	366.00	7.60	430.00	4.30	401.00	5.80
440.00	3.80	460.00	2.50	502.00	6.10	435.00	6.10	473.00	2.90	393.00	5.70	487.00	2.30	425.00	4.80
504.00	2.30	545.00	2.10	635.00	2.10	476.00	3.20	534.00	1.10	427.00	4.10	518.00	.90	452.00	2.00
573.00	-.50	615.00	-1.30	681.00	.70	519.00	1.40			478.00	2.00	532.00	.30	485.00	1.30
				705.00	-.40	580.00	2.30			496.00	.70			525.00	1.10
						612.00	.30			513.00	-.50			559.00	2.70
						646.00	-1.10							570.00	2.30
						674.00	-1.90							590.00	1.10
														607.00	.20
														623.00	-.90

PROFILE 7

DATE SHYY TIME	720531 97 1200	DATE SHYY TIME	720609 98 1200	DATE SHYY TIME	721003 99 1200	DATE SHYY TIME	721205 100 1200	DATE SHYY TIME	730105 101 1200	DATE SHYY TIME	730204 102 1200	DATE SHYY TIME	730213 103 1200	DATE SHYY TIME	730310 104 1200
287.00	22.80	289.00	22.50	288.00	27.70	289.00	22.30	290.00	23.70	291.00	22.00	288.00	22.80	288.00	22.40
297.00	18.10	297.00	18.70	297.00	18.70	297.00	18.80	297.00	18.80	302.00	17.50	301.00	17.70	299.00	18.70
310.00	14.90	307.00	15.70	307.00	14.80	310.00	15.30	308.00	15.80	334.00	13.10	324.00	13.30	307.00	15.40
340.00	10.10	339.10	10.50	339.00	10.60	332.00	12.80	338.00	12.10	362.00	9.50	388.00	9.50	329.00	13.00
375.00	9.10	387.00	9.90	399.00	10.10	366.00	10.10	378.00	9.50	435.00	7.80	403.00	6.80	357.00	10.60
417.00	9.80	429.00	7.90	422.00	9.70	435.00	9.00	418.00	6.60	481.00	6.90	446.00	6.00	369.00	8.40
429.00	7.50	467.00	8.00	429.00	7.80	484.00	7.80	453.00	5.50	523.00	3.30	494.00	3.00	412.00	8.00
487.00	2.50	524.00	2.90	465.00	4.20	498.00	5.10	496.00	2.90	579.00	.80	525.00	-.50	450.00	7.60
502.00	.60	559.00	.20	500.00	.90	534.00	2.70	550.00	1.10	618.00	-.50			462.00	2.70
515.00	-.20	573.00	-.60	519.00	-.40	564.00	5.10	591.00	-.20	668.00	-1.70			493.00	-.30
				539.00	-1.10	605.00	1.50	610.00	-.80					520.00	-1.10
						629.00	.40								
						643.00	-.40								

PROFILE 7

DATE 830324		DATE 730409		DATE 730612		DATE 730917		DATE 731219	
SRVY 103		SRVY 106		SRVY 107		SRVY 108		SRVY 109	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
291.00	21.80	286.00	22.00	289.00	22.70	290.00	22.20	286.00	22.50
297.00	19.00	297.00	18.90	297.00	19.50	309.00	15.40	297.00	19.00
304.00	15.80	301.00	17.60	302.00	17.80	365.00	11.20	339.00	13.60
329.00	13.50	308.00	15.70	302.00	11.50	375.00	8.80	374.00	11.60
361.00	9.80	347.00	11.50	394.00	5.00	412.00	10.00	402.00	11.40
378.00	8.00	392.00	7.10	398.00	8.20	462.00	9.30	437.00	8.00
408.00	6.10	437.00	4.00	496.00	5.10	489.00	8.30	472.00	6.80
440.00	2.10	477.00	2.00	528.00	3.10	514.00	7.90	507.00	3.30
		507.00	1.30	593.00	1.20	544.00	6.00	542.00	.00
		527.00	.50	608.00	.20	569.00	.70	557.00	.30
		551.00	-.30	627.00	-.60	591.00	-.80	579.00	-.30

PROFILE 6

DATE 821011		DATE 821028		DATE 821208		DATE 830107		DATE 830121		DATE 830207		DATE 830221		DATE 830312	
SRVY 1		SRVY 2		SRVY 3		SRVY 4		SRVY 5		SRVY 6		SRVY 7		SRVY 8	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
177.00	11.60	47.00	7.50	28.00	6.50	0.00	6.30	0.00	6.20	72.00	6.70	72.00	6.10	102.00	7.90
248.00	11.30	61.00	7.40	51.00	6.30	15.00	6.60	48.00	4.30	122.00	12.00	170.00	8.10	128.00	13.00
338.00	8.30	108.00	8.70	84.00	7.00	71.00	6.10	87.00	8.00	155.00	10.20	184.00	13.10	137.00	10.10
379.00	1.90	135.00	9.10	106.00	9.90	124.00	13.10	123.00	13.50	192.00	11.80	196.00	10.00	166.00	10.20
830.00	0.00	172.00	11.30	121.00	13.20	157.00	10.20	137.00	10.40	245.00	7.30	162.00	10.00	183.00	11.60
		183.00	11.00	142.00	9.60	194.00	11.30	165.00	10.40	275.00	6.10	200.00	11.10	255.00	7.40
		222.00	11.40	169.00	10.00	266.00	5.80	197.00	10.80	307.00	3.40	220.00	9.40	292.00	7.80
		254.00	11.10	205.00	11.30	289.00	3.40	260.00	5.90	337.00	1.10	268.00	5.30	354.00	1.90
		278.00	8.90	223.00	7.90			316.00	3.90	341.00	.40	328.00	2.20	377.00	.80
		334.00	8.70	238.00	5.90			359.00	1.00	349.00	.10	408.00	-.40		
		346.00	.80	270.00	4.10			373.00	.10						
		374.00	.20												
		395.00	-.10												

PROFILE 5

DATE 830321		DATE 830409		DATE 830424		DATE 830509		DATE 830617		DATE 830710		DATE 830813		DATE 830929	
SRVY 9		SRVY 10		SRVY 11		SRVY 12		SRVY 13		SRVY 14		SRVY 15		SRVY 16	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
192.00	11.60	153.00	8.00	96.00	7.00	102.00	8.50	99.00	8.50	200.00	11.00	125.00	13.10	119.00	12.40
218.00	9.50	177.00	13.00	122.00	13.00	122.00	13.10	121.00	12.90	237.00	8.10	152.00	10.50	138.00	10.10
248.00	8.00	135.00	10.20	134.00	10.00	134.00	10.20	152.00	10.20	273.00	8.20	154.00	10.20	187.00	10.30
267.00	7.80	170.00	10.20	143.00	11.00	169.00	10.20	160.00	10.10	307.00	5.70	167.00	10.30	191.00	11.60
368.00	0.00	197.00	11.00	219.00	9.00	193.00	11.70	191.00	11.60	350.00	0.40	192.00	11.80	240.00	6.20
		249.00	8.20	268.00	7.40	218.00	9.00	237.00	8.10	836.00	0.00	240.00	8.10	312.00	8.40
		261.00	7.00	298.00	7.70	240.00	8.20	274.00	8.10			315.00	9.00	343.00	6.00
		309.00	1.40	390.00	-.80	274.00	8.20	304.00	8.60			376.00	3.70	364.00	3.50
		389.00	0.00			309.00	8.40	327.00	7.80			404.00	0.00	384.00	2.10
						337.00	6.70	375.00	1.80						
						361.00	3.40	409.00	.20						
						425.00	0.00	461.00	-.20						

PROFILE 8

DATE 831030		DATE 831101		DATE 831115		DATE 840108		DATE 840121		DATE 840312		DATE 840511		DATE 840713	
SRVY 17		SRVY 18		SRVY 19		SRVY 20		SRVY 21		SRVY 22		SRVY 23		SRVY 24	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
203.00	11.10	202.00	11.20	223.00	13.00	124.00	13.10	123.00	12.60	119.00	13.10	121.00	13.10	204.00	11.20
254.00	9.10	252.00	9.10	248.00	8.00	134.00	10.20	138.00	10.70	141.00	10.30	131.00	10.40	239.00	8.80
299.00	8.30	300.00	8.20	267.00	7.00	163.00	10.90	161.00	11.80	157.00	11.00	157.00	11.40	307.00	9.10
334.00	6.70	332.00	6.40	300.00	7.50	176.00	10.00	181.00	13.40	173.00	14.20	176.00	14.90	337.00	5.60
384.00	.80	380.00	.70	350.00	1.20	204.00	10.90	209.00	10.90	201.00	15.90	200.00	10.80	348.00	4.20
414.00	-1.20	411.00	-1.30	394.00	2.90	235.00	8.60	217.00	9.90	246.00	4.70	226.00	4.40	381.00	1.00
459.00	-.10	457.00	-.20	432.00	2.30	278.00	7.70	259.00	7.70	279.00	1.80	301.00	2.90		
522.00	-2.10	524.00	-2.30	488.00	1.70	348.00	5.10	302.00	5.40	379.00	-.80	334.00	5.40		
						384.00	4.80	354.00	1.80			361.00	.30		

PROFILE 8

DATE 8MYY TIME	680910 25 1200	DATE 8MYY TIME	681108 26 1200	DATE 8MYY TIME	650218 27 1200	DATE 8MYY TIME	650312 28 1200	DATE 8MYY TIME	650427 29 1200	DATE 8MYY TIME	650516 30 1200	DATE 8MYY TIME	650618 31 1200	DATE 8MYY TIME	660415 32 1200
286.00	10.80	179.00	15.30	180.00	14.70	184.00	14.10	185.00	14.00	185.00	15.90	159.00	10.10	182.00	14.20
288.00	9.40	254.00	11.80	207.00	11.00	200.00	11.90	250.00	11.10	205.00	11.20	178.00	14.10	201.00	12.10
293.00	9.60	249.00	8.80	208.00	7.20	260.00	6.90	252.00	7.70	290.00	6.10	203.00	11.10	220.00	9.70
368.00	2.80	329.00	6.00	304.00	7.10	291.00	7.10	334.00	5.30	305.00	7.80	238.00	9.10	275.00	7.40
407.00	1.60	354.00	7.30	369.00	.40	329.00	2.00	367.00	5.80	412.00	6.00	294.00	8.70	325.00	6.70
437.00	0.00	375.00	8.00	438.00	.50	375.00	.80	405.00	1.30	450.00	1.00	324.00	3.50	377.00	2.20
		404.00	2.10					430.00	.10	485.00	.30				
										481.00	.10				

PROFILE 9

DATE 8MYY TIME	660630 34 1200	DATE 8MYY TIME	670116 35 1200	DATE 8MYY TIME	670215 36 1200	DATE 8MYY TIME	670301 37 1200	DATE 8MYY TIME	670326 38 1200	DATE 8MYY TIME	670921 39 1200	DATE 8MYY TIME	671107 40 1200	DATE 8MYY TIME	671208 41 1200
142.00	16.90	176.00	16.50	177.00	15.90	179.00	13.70	178.00	15.00	183.00	15.80	181.00	16.70	177.00	14.30
177.00	16.50	189.00	13.70	192.00	13.60	192.00	15.60	228.00	9.40	215.00	11.20	208.00	12.00	207.00	12.10
252.00	12.00	230.00	9.30	257.00	7.40	208.00	11.70	257.00	7.00	214.00	8.80	213.00	9.70	217.00	8.60
222.00	9.70	201.00	5.70	318.00	5.90	262.00	6.50	305.00	8.40	234.00	6.70	265.00	6.20	247.00	5.80
262.00	5.60	146.00	1.80	390.00	1.90	323.00	3.20	342.00	2.50	251.00	4.10	282.00	3.20	301.00	4.20
300.00	8.90					349.00	2.80					294.00	2.70	408.00	.70
337.00	4.70													424.00	-.50
380.00	6.30														
395.00	6.50														
435.00	2.40														
492.00	-.20														

PROFILE 2

DATE 8MYY TIME	680105 42 1200	DATE 8MYY TIME	680117 43 1200	DATE 8MYY TIME	680118 44 1200	DATE 8MYY TIME	680120 45 1200	DATE 8MYY TIME	680131 46 1200	DATE 8MYY TIME	680207 47 1200	DATE 8MYY TIME	680216 48 1200	DATE 8MYY TIME	680220 49 1200
154.00	12.10	181.00	16.00	183.00	16.60	183.00	16.00	181.00	16.30	182.00	16.20	186.00	16.00	184.70	16.00
186.00	14.00	200.00	13.50	199.00	13.40	199.00	13.40	200.00	13.80	199.00	13.60	198.00	13.10	199.00	13.40
200.00	13.60	209.00	12.30	209.00	11.90	205.00	13.00	223.00	9.10	207.00	12.60	211.00	11.20	211.00	11.10
210.00	12.60	214.00	9.00	224.00	9.00	225.00	8.80	234.00	7.70	219.00	9.00	213.00	7.40	215.00	7.80
219.00	9.10	251.00	8.50	250.00	8.30	248.00	8.30	280.00	1.10	233.00	6.70	270.00	5.40	244.00	5.00
251.00	6.40	260.00	5.80	270.00	5.10	260.00	6.20	318.00	.60	253.00	6.60	287.00	2.00	272.00	3.90
286.00	4.50	286.00	4.00	284.00	3.80	330.00	2.00			275.00	3.00			312.00	4.40
330.00	1.30	327.00	1.40			349.00	.80			287.00	-.05			345.00	2.10
391.00	0.00														

PROFILE 8

DATE 8MYY TIME	680208 50 1200	DATE 8MYY TIME	680304 51 1200	DATE 8MYY TIME	680314 52 1200	DATE 8MYY TIME	680322 53 1200	DATE 8MYY TIME	680327 54 1200	DATE 8MYY TIME	680114 55 1200	DATE 8MYY TIME	680119 56 1200	DATE 8MYY TIME	680128 57 1200
196.00	14.00	185.00	14.10	185.00	14.00	182.00	14.50	183.00	14.20	85.00	7.90	75.00	7.00	125.00	13.60
200.00	13.30	189.00	13.10	200.00	13.40	200.00	13.40	200.00	13.20	127.00	13.10	114.00	13.50	148.00	10.20
206.00	12.90	252.00	10.10	251.00	10.40	202.00	11.50	211.00	9.40	157.00	9.00	144.00	10.00	194.00	8.00
218.00	6.70	254.00	8.00	260.00	5.90	222.00	7.80	231.00	6.20	194.00	6.50	196.00	7.00	244.00	4.60
235.00	7.20	262.00	8.00	278.00	2.20	242.00	5.80	265.00	4.70	225.00	4.20	246.00	5.70	275.00	.90
261.00	4.30	275.00	3.70			279.00	1.40	299.00	1.40	255.00	.85	271.00	3.00	294.00	-.30
278.00	2.70	289.00	2.10					344.00	-.50	286.00	-.40	336.00	1.50	359.00	-.40
293.00	2.10													425.00	-1.10
														508.00	-3.30

PROFILE 8

DATE 8MYY TIME	690207 58 1200	DATE 8MYY TIME	690219 59 1200	DATE 8MYY TIME	690224 60 1200	DATE 8MYY TIME	690228 61 1200	DATE 8MYY TIME	690310 62 1200	DATE 8MYY TIME	690314 63 1200	DATE 8MYY TIME	690321 64 1200	DATE 8MYY TIME	690418 65 1200
188.00	10.60	148.00	10.10	75.00	7.10	117.00	13.00	53.00	7.20	104.00	10.40	66.00	4.90	81.00	7.60
198.00	8.60	199.00	7.40	174.00	13.30	134.00	11.70	102.00	10.20	117.00	7.60	94.00	8.30	112.00	10.90
217.00	8.30	224.00	5.50	148.00	9.80	135.00	7.70	105.00	7.90	148.00	5.90	145.00	10.40	144.00	12.00
248.00	6.50	248.00	2.60	198.00	5.70	164.00	5.90	120.00	7.10	199.00	1.30	167.00	8.90	184.00	14.20
288.00	.90	261.00	-.20	208.00	.90	177.00	2.50	140.00	6.95	213.00	-.20	178.00	8.80	222.00	11.50
348.00	-.90	294.00	-.10	298.00	-1.10	198.00	-.10	198.00	.20	248.00	.30	184.00	5.40	249.00	9.95
		411.00	-1.00	308.00	-1.50			248.00	-.60	298.00	-.70	198.00	2.80	273.00	6.40
								296.00	-.40	372.00	+2.00	242.00	.90	315.00	7.40
								373.00	-5.10	454.00	-4.50	299.00	-.40	356.00	8.15
												358.00	-.70	377.00	9.00
														401.00	3.80
														448.00	2.60
														551.00	-2.20

PROFILE 6

DATE SNVY	690918 66	DATE SNVY	691128 67	DATE SNVY	691220 68	DATE SNVY	700115 69	DATE SNVY	700122 70	DATE SNVY	700129 71	DATE SNVY	700211 72	DATE SNVY	700216 73
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
184.00	14.00	150.00	18.10	172.00	12.30	148.00	11.90	148.00	12.20	148.00	12.20	148.00	12.20	148.00	12.30
195.00	13.60	185.00	18.50	205.00	19.10	178.00	13.60	179.00	13.60	178.00	13.70	176.00	13.70	178.00	13.60
241.00	10.10	187.00	10.30	247.00	11.40	188.00	12.10	185.00	12.20	180.00	12.30	179.00	12.50	181.00	12.00
295.00	10.30	200.00	7.60	272.00	9.30	200.00	13.10	207.00	13.50	198.00	12.60	198.00	12.50	198.00	12.50
335.00	9.20	217.00	6.40	322.00	3.80	281.00	10.50	254.00	13.10	216.00	13.70	252.00	13.30	233.00	12.40
368.00	7.60	280.00	7.20	372.00	1.10	321.00	8.10	304.00	9.70	248.00	12.60	288.00	12.90	240.00	15.00
468.00	.40	254.00	5.70	397.00	.80	356.00	6.20	334.00	7.00	288.00	10.30	298.00	9.80	281.00	6.50
		301.00	2.50			398.00	5.70	384.00	5.70	298.00	10.10	313.00	9.40	293.00	7.10
		349.00	.70			430.00	2.80	408.00	5.90	324.00	8.20	344.00	6.80	349.00	2.80
		393.00	-.60			510.00	-1.90	410.00	6.80	358.00	7.40	398.00	1.00	401.00	.10
		444.00	-3.50					454.00	2.30	398.00	5.80	443.00	-2.70	443.00	-.40
								469.00	.40	431.00	5.30			473.00	-1.70
										468.00	1.90				
										535.00	-1.40				
										556.00	-2.50				

PROFILE 8

DATE SNVY	700225 74	DATE SNVY	700305 75	DATE SNVY	700312 76	DATE SNVY	700318 77	DATE SNVY	700407 78	DATE SNVY	700412 79	DATE SNVY	700430 80	DATE SNVY	701201 81
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
146.00	12.10	148.00	12.10	146.00	12.20	144.00	12.10	148.00	12.00	148.00	12.00	148.00	11.80	148.00	16.30
174.00	13.60	174.00	13.00	169.00	13.00	172.00	13.00	175.00	13.20	174.00	13.30	176.00	13.10	180.00	20.10
196.00	12.40	178.00	12.10	196.00	12.60	179.00	12.40	198.00	12.60	189.00	12.50	194.00	12.10	198.00	20.20
239.00	13.10	196.00	12.50	259.00	11.20	196.00	12.50	248.00	12.00	236.00	12.60	258.00	11.80	222.00	18.30
256.00	11.70	248.00	12.70	293.00	8.10	218.00	12.90	290.00	8.80	268.00	10.30	298.00	7.90	248.00	18.80
305.00	5.70	298.00	8.70	322.00	5.40	258.00	11.00	340.00	1.90	294.00	8.30	344.00	7.50	298.00	18.10
346.00	2.90	348.00	6.80	363.00	3.70	294.00	7.80	407.00	2.70	353.00	2.40	377.00	4.80	345.00	15.00
433.00	.20	381.00	2.60	369.00	1.00	348.00	4.60	445.00	-.80	396.00	.30	342.00	7.50	348.00	10.50
470.00	-.90	416.00	.30	392.00	1.30	381.00	2.80			431.00	-1.10	394.00	6.30	353.00	8.00
		477.00	-1.70	421.00	-.20	418.00	1.10					440.00	1.50	398.00	2.10
				458.00	-.90	467.00	-.40					494.00	-.80	448.00	-.60
						478.00	-1.50								

PROFILE 9

DATE SNVY	701218 82	DATE SNVY	710104 83	DATE SNVY	710212 84	DATE SNVY	710304 85	DATE SNVY	710408 86	DATE SNVY	710604 87	DATE SNVY	710811 88	DATE SNVY	711008 89
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
148.00	18.60	148.00	16.70	148.00	18.70	148.00	18.70	148.00	18.60	148.00	18.60	148.00	18.50	145.00	18.50
198.00	20.20	172.00	21.10	178.00	20.50	175.00	19.80	168.00	19.20	156.00	18.10	198.00	20.10	194.00	20.10
208.00	18.40	198.00	20.30	198.00	20.20	184.00	20.10	185.00	22.00	178.00	20.10	218.00	18.50	214.00	20.00
298.00	18.10	225.00	19.20	208.00	18.90	225.00	18.90	198.00	20.10	198.00	20.00	208.00	18.50	238.00	17.60
338.00	15.40	248.00	18.90	298.00	17.60	248.00	18.00	225.00	18.80	218.00	19.80	298.00	18.80	248.00	18.80
343.00	11.10	298.00	18.20	311.00	17.40	298.00	17.40	248.00	18.50	248.00	18.50	328.00	15.80	298.00	18.20
348.00	9.80	336.00	15.50	338.00	15.60	335.00	15.30	328.00	15.70	298.00	17.20	398.00	8.50	328.00	15.90
398.00	4.80	364.00	10.90	348.00	10.60	348.00	10.10	398.00	8.40	328.00	15.80	429.00	5.10	338.00	12.10
448.00	-.70	386.00	10.00	368.00	8.30	375.00	8.80	335.00	11.00	361.00	14.10	448.00	2.20	398.00	11.20
		378.00	8.70	398.00	5.00	398.00	4.90	368.00	9.00	348.00	8.80	476.00	1.00	398.00	8.20
		398.00	5.80	448.00	2.20	424.00	3.30	398.00	6.40	361.00	8.10	492.00	-.20	448.00	3.90
		448.00	1.90	498.00	.50	448.00	2.30	448.00	3.10	398.00	8.70			500.00	.40
		469.00	.80	546.00	-1.60	490.00	.90	493.00	-.50	423.00	8.70			523.00	-1.30
		481.00	-.30	633.00	-1.30	525.00	-.30	517.00	-1.80	448.00	1.60				
				746.00	-2.80	570.00	-1.30			458.00	.90				
						596.00	-1.10			463.00	-.30				
										476.00	-1.50				

PROFILE 8

DATE 8MYY TIME	711201 90 1200	DATE 8MYY TIME	720107 91 1200	DATE 8MYY TIME	720151 92 1200	DATE 8MYY TIME	720209 93 1200	DATE 8MYY TIME	720222 94 1200	DATE 8MYY TIME	720301 95 1200	DATE 8MYY TIME	720328 96 1200	DATE 8MYY TIME	720503 97 1200
145.00	18.50	147.00	18.50	148.00	18.60	148.00	18.60	148.00	18.90	148.00	18.60	175.00	19.80	168.00	18.70
175.00	20.90	160.00	18.80	171.00	19.60	198.00	20.10	177.00	20.50	188.00	19.90	195.00	20.00	178.00	20.20
195.00	20.95	197.00	20.00	199.00	20.10	248.00	18.60	190.00	20.40	198.00	20.10	232.00	20.40	199.00	20.15
218.00	19.70	222.00	18.50	232.00	20.00	298.00	17.50	221.00	20.80	211.00	19.50	236.00	18.00	222.00	21.10
232.00	18.20	247.00	18.80	239.00	17.70	323.00	16.00	232.00	18.50	223.00	20.40	288.00	16.50	248.00	18.50
245.00	18.60	249.00	18.00	249.00	18.00	324.00	10.00	240.00	17.40	238.00	17.50	291.00	16.00	268.00	16.70
295.00	17.30	268.00	18.10	275.00	18.20	348.00	7.10	267.00	16.00	248.00	18.40	298.00	15.80	298.00	10.80
320.00	15.70	298.00	17.30	298.00	17.30	398.00	4.40	290.00	17.10	269.00	16.10	334.00	7.70	348.00	7.80
330.00	12.70	323.00	15.90	329.00	16.00	448.00	2.40	298.00	11.80	292.00	16.80	348.00	6.70	374.00	5.80
335.00	9.20	338.00	9.50	358.00	9.50	488.00	1.00	319.00	8.00	298.00	11.80	387.00	5.20	398.00	6.20
345.00	6.00	367.00	8.60	371.00	8.80			348.00	6.10	322.00	7.70	398.00	5.50	452.00	.20
375.00	3.20	398.00	6.40	370.00	7.70			398.00	3.60	348.00	6.10	448.00	3.30	479.00	-.40
398.00	2.80	407.00	6.00	450.00	7.00			430.00	2.50	366.00	5.50	459.00	3.35		
445.00	1.40	496.00	.10	418.00	6.20			448.00	2.20	398.00	4.10	484.00	2.30		
495.00	.10	548.00	-1.40	448.00	3.35					448.00	2.20	504.00	.60		
530.00	-1.10	574.00	-3.00	478.00	2.70					478.00	1.20	519.00	-.80		
560.00	-2.60			499.00	.30					487.00	.60				
				537.00	-1.30										
				568.00	-2.40										

PROFILE 9

DATE 8MYY TIME	720604 98 1200	DATE 8MYY TIME	721008 99 1200	DATE 8MYY TIME	721205 100 1200	DATE 8MYY TIME	730103 101 1200	DATE 8MYY TIME	730204 102 1200	DATE 8MYY TIME	730213 103 1200	DATE 8MYY TIME	730316 104 1200	DATE 8MYY TIME	730524 105 1200
168.00	18.80	168.00	18.60	168.00	17.90	158.00	19.90	158.00	18.50	158.00	18.70	140.00	18.50	168.00	16.70
178.00	20.00	176.00	18.10	178.00	20.50	183.00	20.30	197.00	20.00	208.00	19.50	148.00	20.10	159.00	18.70
210.00	19.60	179.00	20.10	197.00	20.00	215.00	19.60	225.00	20.30	222.00	20.50	215.00	19.50	198.00	19.90
220.00	21.10	197.00	20.00	208.00	20.20	220.00	21.00	247.00	16.50	248.00	18.00	223.00	20.50	223.00	19.40
238.00	17.00	217.00	19.50	222.00	21.90	233.00	18.10	275.00	16.20	278.00	18.00	238.00	17.70	248.00	16.40
248.00	16.90	222.00	20.90	233.00	19.00	245.00	16.50	281.00	12.90	285.00	12.50	249.00	16.90	270.00	16.00
288.00	16.60	234.00	18.10	248.00	17.00	275.00	16.30	336.00	7.50	315.00	9.50	278.00	14.00	278.00	13.10
298.00	11.70	248.00	16.50	273.00	16.90	278.00	12.90	368.00	6.30	368.00	6.10	292.00	13.00	298.00	11.30
328.00	9.00	286.00	14.00	281.00	12.30	305.00	10.00	394.00	6.60	405.00	0.00	312.00	9.00	313.00	8.00
348.00	7.70	297.00	12.00	297.00	10.70	333.00	6.50	439.00	.50			334.00	6.80	343.00	3.30
377.00	7.90	334.00	9.50	301.00	6.60	393.00	3.10	469.00	-1.30			373.00	5.70	353.00	1.30
398.00	8.80	337.00	7.30	388.00	6.50	448.00	.60	503.00	-1.20			405.00	1.70		
430.00	8.90	344.00	5.50	399.00	4.00	485.00	-1.50					453.00	1.00		
442.00	6.00	374.00	5.20	481.00	5.90							498.00	1.30		
503.00	.70	394.00	4.00	495.00	2.20							550.00	-.20		
518.00	-.80	434.00	.50	509.00	.40							568.00	-.80		
		484.00	-.00	530.00	-.10										

PROFILE 10

DATE 8MYY TIME	730403 106 1200	DATE 8MYY TIME	730412 107 1200	DATE 8MYY TIME	730511 108 1200	DATE 8MYY TIME	731218 109 1200
158.00	18.70	142.00	18.80	148.00	18.30	148.00	16.90
178.00	20.20	199.00	20.10	208.00	19.40	198.00	20.10
210.00	19.30	214.00	20.80	225.00	20.50	219.00	21.10
225.00	20.60	242.00	18.50	237.00	17.30	248.00	16.40
242.00	17.50	273.00	18.00	248.00	16.30	271.00	18.10
248.00	16.40	292.00	10.00	274.00	16.00	298.00	11.00
275.00	16.00	338.00	7.00	293.00	14.50	348.00	6.20
281.00	12.40	362.00	7.00	326.00	8.50	378.00	4.30
298.00	11.40	448.00	.30	345.00	7.40	398.00	2.80
337.00	6.40	497.00	.90	375.00	8.00	424.00	1.70
398.00	2.40	550.00	.20	398.00	8.00	448.00	.40
448.00	1.60	597.00	0100	415.00	5.40	478.00	-.70
484.00	-.20	599.00	-.60	441.00	2.50		
				478.00	.40		
				514.00	-.60		
				548.00	-1.80		

PROFILE 4

DATE 8MYY TIME	821011 1 1200	DATE 8MYY TIME	821029 2 1200	DATE 8MYY TIME	841209 3 1200	DATE 8MYY TIME	870107 8 1200	DATE 8MYY TIME	870123 5 1200	DATE 8MYY TIME	830207 6 1200	DATE 8MYY TIME	830221 7 1200	DATE 8MYY TIME	830312 8 1200
109.00	11.30	51.00	9.60	11.00	7.40	0.00	7.60	0.00	7.40	117.00	10.20	106.00	11.25	69.00	9.80
129.00	8.70	107.00	11.30	49.00	9.20	9.00	7.60	8.00	7.50	160.00	10.00	126.00	9.40	108.00	11.30
173.00	9.70	124.00	9.20	49.00	10.80	28.00	9.00	20.00	8.20	199.00	11.10	180.00	9.90	132.00	9.40
199.00	11.50	174.00	9.60	150.00	9.90	116.00	11.20	52.00	9.70	258.00	8.80	206.00	10.80	177.00	10.00
265.00	10.50	189.00	11.40	188.00	10.30	130.00	9.30	107.00	11.10	289.00	7.80	318.00	6.20	204.00	10.90
288.00	8.20	207.00	11.20	211.00	10.80	219.00	10.80	131.00	8.90	351.00	0.00	374.00	1.50	251.00	7.80
308.00	7.20	254.00	10.20	221.00	9.10	270.00	7.30	207.00	10.90			425.00	-.20	269.00	6.90
343.00	2.90	275.00	7.40	259.00	8.80	320.00	6.00	231.00	8.60					309.00	7.30
363.00	-.10	305.00	8.00	243.00	9.80	356.00	6.30	275.00	8.90					334.00	3.00
		368.00	-.30					278.00	7.80					359.00	1.00
								306.00	6.10					404.00	0.00
								334.00	1.10						
								349.00	0.00						

PROFILE 8

DATE 8MYY TIME	830321 9 1200	DATE 8MYY TIME	830408 10 1200	DATE 8MYY TIME	830426 11 1200	DATE 8MYY TIME	830608 12 1200	DATE 8MYY TIME	830617 13 1200	DATE 8MYY TIME	830715 14 1200	DATE 8MYY TIME	830813 15 1200	DATE 8MYY TIME	830925 16 1200
309.00	7.30	108.00	11.20	151.00	11.30	108.00	11.20	110.00	11.30	148.00	9.20	115.00	10.90	115.00	11.00
336.00	4.10	128.00	9.10	177.00	9.30	128.00	9.30	127.00	9.10	197.00	10.50	142.00	9.20	131.00	9.50
389.00	3.80	201.00	10.70	199.00	10.40	203.00	10.60	171.00	9.90	255.00	7.70	209.00	10.60	144.00	9.40
403.00	.80	261.00	7.10	257.00	7.40	264.00	7.00	199.00	10.80	305.00	7.40	251.00	7.50	188.00	10.50
421.00	.10	344.00	5.10	317.00	6.50	349.00	7.80	213.00	10.20	372.00	8.20	311.00	7.70	203.00	10.70
		391.00	2.30	339.00	6.70	394.00	5.60	228.00	9.10	394.00	7.60	396.00	6.85	221.00	9.20
		439.00	1.20	383.00	6.10	453.00	.30	262.00	7.40	416.00	5.90	396.00	5.95	255.00	7.70
		508.00	.70	477.00	1.50	971.00	-.20	318.00	7.60	465.00	1.20	436.00	1.90	322.00	7.00
		524.00	0.00	483.00	-.40			349.00	7.20	488.00	-.30	498.00	.10	369.00	8.10
								383.00	5.90					399.00	5.80
								409.00	6.70					422.00	3.00
								450.00	2.60					450.00	1.00
								513.00	-.80						

PROFILE 9

DATE 8MYY TIME	831030 17 1200	DATE 8MYY TIME	831104 18 1200	DATE 8MYY TIME	831115 19 1200	DATE 8MYY TIME	840108 20 1200	DATE 8MYY TIME	840121 21 1200	DATE 8MYY TIME	840512 22 1200	DATE 8MYY TIME	840511 23 1200	DATE 8MYY TIME	840713 24 1200
114.00	11.10	119.00	11.00	202.00	9.00	91.00	10.90	110.00	10.90	94.00	11.20	155.00	10.00	157.00	10.00
130.00	9.80	136.00	9.00	240.00	10.30	171.00	10.00	185.00	10.40	173.00	10.40	189.00	13.10	175.00	13.10
201.00	10.60	202.00	10.50	303.00	8.90	218.00	8.90	210.00	9.50	206.00	9.55	189.00	10.40	210.00	9.50
232.00	8.80	233.00	8.80	327.00	7.20	319.00	5.40	258.00	8.60	236.00	8.30	315.00	5.10	257.00	8.25
287.00	8.30	291.00	8.30	354.00	6.50	381.00	5.90	299.00	8.50	264.00	6.60	394.00	1.50	264.00	8.30
336.00	8.40	339.00	8.40	383.00	7.20	387.00	1.30	342.00	7.10	316.00	5.20	435.00	1.70	312.00	7.30
373.00	6.80	371.00	6.60	411.00	2.50			389.00	1.00	351.00	3.00	486.00	.80	351.00	7.90
420.00	2.00	419.00	2.30	454.00	4.00					381.00	1.90			393.00	3.50
469.00	.70	468.00	.80	482.00	2.00					420.00	1.20				
508.00	-1.00	509.00	-1.40	517.00	1.50										

PROFILE 9

DATE 8MYY TIME	840910 25 1200	DATE 8MYY TIME	841109 26 1200	DATE 8MYY TIME	850218 27 1200	DATE 8MYY TIME	850417 28 1200	DATE 8MYY TIME	850527 29 1200	DATE 8MYY TIME	850816 30 1200	DATE 8MYY TIME	860327 31 1200	DATE 8MYY TIME	860415 32 1200
150.00	12.00	149.00	14.00	149.00	13.50	172.00	15.50	170.00	13.70	169.00	13.80	167.00	15.90	173.00	14.00
173.00	13.20	242.00	8.90	184.00	13.30	188.00	11.10	203.00	8.60	200.00	10.30	193.00	11.30	195.00	11.10
203.00	9.70	344.00	6.70	240.00	9.30	285.00	7.35	269.00	7.10	295.00	7.10	253.00	8.00	266.00	8.50
237.00	9.10	389.00	8.00	290.00	7.80	335.00	6.10	325.00	7.60	380.00	7.70	308.00	6.90	339.00	8.60
276.00	9.30	419.00	3.00	302.00	7.70	376.00	5.70	375.00	5.90	470.00	2.10	325.00	3.80	393.00	5.20
311.00	8.90			396.00	.70	408.00	1.90	408.00	3.90	488.00	1.35				
393.00	4.20			471.00	.40			450.00	1.30						
420.00	2.10							465.00	.70						
455.00	.90														

PROFILE 4

DATE 8MYY TIME	680626 33 1200	DATE 8MYY TIME	680930 34 1200	DATE 8MYY TIME	670113 35 1200	DATE 8MYY TIME	670315 36 1200	DATE 8MYY TIME	670501 37 1200	DATE 8MYY TIME	670724 38 1200	DATE 8MYY TIME	670921 39 1200	DATE 8MYY TIME	671107 40 1200
100.00	14.00	115.00	11.70	166.00	15.50	170.00	15.50	181.00	16.20	168.00	15.50	168.00	15.40	171.00	16.70
208.00	10.60	148.00	10.20	191.00	12.80	186.00	13.20	219.00	11.20	206.00	11.90	203.00	12.00	216.00	12.30
246.00	9.00	170.00	13.70	255.00	10.40	231.00	11.00	293.00	6.30	240.00	10.10	328.00	4.90	259.00	9.80
297.00	8.00	210.00	10.50	295.00	8.10	384.00	2.90	418.00	3.20	271.00	9.40	347.00	8.00	302.00	6.20
342.00	9.50	225.00	9.50	394.00	2.30					328.00	6.20	385.00	5.90	345.00	4.10
377.00	3.60	272.00	8.10	415.00	1.70					353.00	8.70	420.00	2.90	361.00	3.10
		284.00	8.00							363.00	7.60				
		299.00	8.50							396.00	6.90				
		344.00	9.00												
		374.00	8.50												
		406.00	8.40												
		436.00	.30												
		479.00	-.20												
		479.00	-.20												

PROFILE 4

DATE 8MYY TIME	671206 41 1200	DATE 8MYY TIME	680105 42 1200	DATE 8MYY TIME	680111 43 1200	DATE 8MYY TIME	680118 44 1200	DATE 8MYY TIME	680126 45 1200	DATE 8MYY TIME	680131 46 1200	DATE 8MYY TIME	680207 47 1200	DATE 8MYY TIME	680214 48 1200
172.00	15.40	159.00	10.30	170.00	16.00	169.00	15.40	170.00	18.90	173.00	14.10	176.00	15.10	174.00	15.70
269.00	6.90	176.00	10.30	180.00	14.30	182.00	14.30	213.00	12.10	177.00	14.90	199.00	13.80	176.00	14.90
331.00	3.90	175.00	15.00	208.00	12.90	219.00	12.00	216.00	10.70	194.00	15.60	215.00	11.80	209.00	12.40
399.00	0.00	199.00	13.30	230.00	10.80	255.00	7.10	246.00	7.60	219.00	11.40	244.00	8.20	241.00	7.90
		233.00	10.10	270.00	6.90	304.00	3.80	274.00	5.60	260.00	7.00	241.00	5.30	264.00	5.70
		268.00	6.60	306.00	3.80			294.00	5.80	312.00	4.40	304.00	4.40	290.00	4.30
		314.00	2.60	351.00	2.80			323.00	1.90	369.00	1.40	320.00	3.50	314.00	1.20
		336.00	2.30	407.00	1.40			333.00	1.90	397.00	.80	337.00	1.80		
								340.00	1.70			359.00	2.00		
								376.00	2.30			390.00	1.20		
								424.00	.90						

PROFILE 4

DATE 8MYY TIME	680220 49 1200	DATE 8MYY TIME	680228 50 1200	DATE 8MYY TIME	680304 51 1200	DATE 8MYY TIME	680319 52 1200	DATE 8MYY TIME	680327 53 1200	DATE 8MYY TIME	680327 54 1200	DATE 8MYY TIME	680119 55 1200	DATE 8MYY TIME	680107 56 1200
170.00	15.10	170.00	15.60	170.00	15.80	170.00	15.70	170.00	15.30	170.00	14.90	149.00	10.20	147.00	10.00
203.00	13.00	178.00	14.60	175.00	14.70	180.00	14.50	177.00	14.50	208.00	12.00	166.00	14.10	165.00	15.40
247.00	7.40	196.00	13.70	190.00	13.70	208.00	12.00	198.00	13.20	253.00	6.80	179.00	15.20	171.00	15.90
279.00	5.30	216.00	11.90	227.00	9.80	234.00	6.60	280.00	7.50	324.00	1.80	190.00	11.30	175.00	15.20
319.00	.40	226.00	10.70	264.00	8.20	319.00	1.90	324.00	1.40	403.00	-.70	219.00	7.10	182.00	12.10
354.00	-.50	252.00	7.50	306.00	3.30	326.00	1.60	347.00	2.00			242.00	4.70	222.00	8.00
		281.00	4.60	318.00	1.80							303.00	3.10	250.00	7.40
		297.00	8.30									340.00	1.90	293.00	3.40
		307.00	1.80									356.00	1.50	309.00	1.30
												428.00	-.90	326.00	.80
												483.00	-2.50		

PROFILE 4

DATE 8MYY TIME	690129 57 1200	DATE 8MYY TIME	690207 58 1200	DATE 8MYY TIME	690213 59 1200	DATE 8MYY TIME	690224 60 1200	DATE 8MYY TIME	690226 61 1200	DATE 8MYY TIME	690310 62 1200	DATE 8MYY TIME	690314 63 1200	DATE 8MYY TIME	690321 64 1200
171.00	15.90	171.00	16.00	171.00	15.90	168.00	10.00	171.00	15.80	173.00	16.00	178.00	8.90	168.00	10.10
182.00	12.00	178.00	18.20	185.00	12.20	171.00	15.90	188.00	11.00	178.00	8.90	198.00	7.50	182.00	14.20
205.00	9.70	221.00	7.90	211.00	9.80	202.00	9.00	224.00	6.80	206.00	7.90	237.00	1.70	170.00	16.30
253.00	4.40	259.00	5.30	249.00	8.90	269.00	3.00	259.00	2.80	249.00	6.20	271.00	-.50	194.00	7.40
288.00	3.60	308.00	4.00	285.00	8.20	801.00	-3.20	277.00	1.20	263.00	5.00	283.00	1.30	237.00	9.00
300.00	-.50	341.00	.30	330.00	.40					296.00	.50	331.00	1.40	304.00	1.20
412.00	-1.90	456.00	-2.00	365.00	.20					357.00	1.00	404.00	-1.20	392.00	-1.50
461.00	-.60									427.00	-.40				
566.00	-3.50									507.00	-4.30				

PROFILE 3

DATE SNVY 65 TIME 1200		DATE SNVY 66 TIME 1200		DATE SNVY 67 TIME 1200		DATE SNVY 68 TIME 1200		DATE SNVY 69 TIME 1200		DATE SNVY 70 TIME 1200		DATE SNVY 71 TIME 1200		DATE SNVY 72 TIME 1200	
166.00	14.70	166.00	15.55	176.00	14.00	176.00	14.50	174.00	14.60	174.00	14.50	170.00	14.00	174.00	14.70
205.00	14.00	199.00	15.00	239.00	15.30	247.00	15.10	214.00	15.00	205.00	14.70	217.00	15.00	241.00	15.00
259.00	15.20	239.00	14.20	249.00	10.80	252.00	14.50	247.00	14.20	246.00	15.30	246.00	15.50	275.00	12.30
286.00	14.00	297.00	11.70	268.00	10.00	314.00	10.50	291.00	11.40	292.00	11.30	281.00	12.10	302.00	11.10
283.00	11.00	346.00	9.40	317.00	11.80	377.00	11.20	334.00	10.40	329.00	12.20	320.00	10.10	365.00	11.50
324.00	9.20	379.00	3.90	351.00	8.10	411.00	11.00	403.00	11.40	385.00	11.00	359.00	10.70	411.00	6.30
357.00	7.00	399.00	8.30	389.00	4.20	455.00	7.40	442.00	9.00	445.00	10.10	406.00	11.20	449.00	6.60
419.00	1.10			529.00	1.30	462.00	7.10	488.00	8.10	469.00	8.60	483.00	10.10	484.00	9.20
466.00	-4.70			590.00	-2.30	537.00	4.10	517.00	3.00	507.00	5.10	437.00	8.20	542.00	5.10
				419.00	-3.70			559.00	-.20	541.00	.50	491.00	3.60	607.00	.60
								609.00	-2.00	572.00	-1.50	531.00	0.00	647.00	-3.00
												586.00	-1.60		

PROFILE 4

DATE SNVY 73 TIME 1200		DATE SNVY 74 TIME 1200		DATE SNVY 75 TIME 1200		DATE SNVY 76 TIME 1200		DATE SNVY 77 TIME 1200		DATE SNVY 78 TIME 1200		DATE SNVY 79 TIME 1200		DATE SNVY 80 TIME 1200	
174.00	14.60	174.00	14.80	174.00	14.70	174.00	14.70	174.00	14.80	174.00	14.60	165.00	12.00	168.00	14.80
214.00	15.10	237.00	15.30	210.00	14.70	218.00	15.00	207.00	14.80	207.00	14.70	164.00	14.10	177.00	16.50
245.00	15.50	270.00	12.10	244.00	14.90	239.00	15.30	242.00	15.00	246.00	14.90	175.00	15.70	245.00	17.30
247.00	17.40	334.00	11.30	240.00	12.00	287.00	13.30	282.00	11.80	285.00	11.80	213.00	18.40	284.00	16.10
306.00	11.20	382.00	10.00	308.00	11.30	365.00	11.00	321.00	11.20	300.00	10.80	245.00	17.80	299.00	15.50
365.00	11.50	448.00	9.50	412.00	9.60	349.00	11.50	374.00	10.80	395.00	10.30	310.00	14.30	345.00	17.50
404.00	9.90	506.00	8.80	457.00	9.50	390.00	8.70	415.00	9.70	435.00	10.00	360.00	11.20	347.00	13.00
451.00	9.60	557.00	4.10	473.00	6.70	451.00	8.80	462.00	9.70	480.00	7.90	415.00	9.00	424.00	11.50
525.00	3.50	604.00	-1.70	518.00	7.60	557.00	8.20	504.00	8.00	537.00	3.90	435.00	8.40	464.00	9.20
601.00	.80			568.00	1.00	537.00	3.70	545.00	7.20	570.00	.10	510.00	5.90	492.00	4.20
642.00	.30			599.00	-2.20	567.00	2.20	575.00	-1.50	585.00	-1.30	540.00	.00	508.00	1.10
660.00	-2.60					597.00	-2.30	614.00	-1.55			560.00	-.60		
								641.00	-2.00						

PROFILE 5

DATE SNVY 81 TIME 1200		DATE SNVY 82 TIME 1200		DATE SNVY 83 TIME 1200		DATE SNVY 84 TIME 1200		DATE SNVY 85 TIME 1200		DATE SNVY 86 TIME 1200		DATE SNVY 87 TIME 1200		DATE SNVY 88 TIME 1200	
153.00	10.50	230.00	19.50	179.00	18.60	180.00	18.60	179.00	19.00	181.00	18.60	180.00	16.20	182.00	18.00
164.00	13.90	264.00	18.70	251.00	19.50	219.00	18.80	234.00	19.50	217.00	18.70	219.00	19.50	262.00	20.00
182.00	14.40	284.00	18.30	249.00	18.70	264.00	19.30	254.00	18.70	257.00	18.00	252.00	18.80	283.00	16.20
212.00	18.70	309.00	19.00	284.00	18.20	284.00	18.20	245.00	20.10	265.00	20.40	252.00	20.00	310.00	15.00
235.00	19.90	350.00	17.00	309.00	15.50	317.00	15.90	294.00	16.20	284.00	16.20	284.00	18.10	342.00	13.10
263.00	17.90	394.00	13.50	309.00	17.30	352.00	17.10	304.00	15.30	314.00	15.20	304.00	15.00	371.00	15.10
289.00	16.70	398.00	12.20	356.00	15.80	394.00	18.10	340.00	17.00	347.00	17.00	347.00	17.00	387.00	-10.70
311.00	16.00	443.00	7.40	407.00	10.60	427.00	7.30	361.00	18.30	375.00	15.00	372.00	15.20	399.00	9.50
351.00	17.50	485.00	5.00	442.00	7.10	442.00	6.00	411.00	8.50	379.00	11.90	345.00	11.00	427.00	8.40
394.00	13.50	550.00	3.00	476.00	4.20	487.00	2.10	451.00	8.10	434.00	6.20	390.00	8.70	451.00	7.00
441.00	11.10	584.00	1.60	500.00	2.30	504.00	.70	502.00	.30	488.00	3.20	412.00	7.80	500.00	3.70
496.00	5.30			534.00	.20	563.00	0.00	546.00	-1.30	544.00	1.00	457.00	4.40	531.00	-.30
525.00	1.10					602.00	-.30	557.00	-1.70	581.00	.30	476.00	6.10		
570.00	-2.00					644.00	-1.10			604.00	-.20	509.00	3.60		
										622.00	-.60	547.00	1.80		
										634.00	-1.30	577.00	.30		
												599.00	-.90		

PROFILE 6

DATE SNVY 89 TIME 1200		DATE SNVY 90 TIME 1200		DATE SNVY 91 TIME 1200		DATE SNVY 92 TIME 1200		DATE SNVY 93 TIME 1200		DATE SNVY 94 TIME 1200		DATE SNVY 95 TIME 1200		DATE SNVY 96 TIME 1200	
156.00	18.00	181.00	18.00	190.00	18.30	245.00	18.50	263.00	21.50	187.00	18.60	184.00	18.50	181.00	19.30
241.00	20.10	219.00	17.00	221.00	18.00	287.00	16.00	278.00	17.10	216.00	18.30	219.00	18.50	213.00	18.50
283.00	16.20	259.00	20.50	242.00	19.90	314.00	15.00	300.00	15.40	245.00	19.30	245.00	19.50	245.00	18.50
293.00	15.70	281.00	18.30	272.00	17.50	345.00	16.80	345.00	16.80	261.00	21.40	284.00	21.20	261.00	21.40
343.00	17.00	313.00	15.10	283.00	16.00	374.00	14.70	368.00	15.90	283.00	16.10	284.00	16.20	284.00	16.10
366.00	15.60	346.00	17.00	310.00	14.70	376.00	11.20	371.00	13.50	307.00	14.80	317.00	15.00	313.00	14.90
387.00	10.40	364.00	15.00	344.00	16.80	393.00	8.20	382.00	10.30	345.00	16.50	345.00	16.50	345.00	16.50
418.00	10.70	381.00	12.10	368.00	15.30	414.00	4.20	423.00	6.90	357.00	16.80	356.00	16.90	355.00	16.90
441.00	11.10	413.00	9.70	392.00	11.40	444.00	.50	460.00	1.40	358.00	13.60	361.00	13.30	366.00	11.80
446.00	8.70	444.00	4.20	385.00	9.90	483.00	-2.60	500.00	.00	386.00	9.60	392.00	8.50	401.00	6.60
480.00	8.60	473.00	3.50	415.00	7.00					417.00	7.70	432.00	7.40	451.00	7.70
533.00	1.90	523.00	1.30	457.00	3.00					444.00	5.30	470.00	1.90	478.00	4.30
573.00	-1.70	565.00	-2.30	488.00	-.10					480.00	2.40	501.00	.80	493.00	.70
				513.00	-.70					504.00	.60			511.00	-.40

PROFILE 8

DATE 720531 BAVY 97 TIME 1200		DATE 720608 BAVY 98 TIME 1200		DATE 721008 BAVY 99 TIME 1200		DATE 721205 BAVY 100 TIME 1200		DATE 730105 BAVY 101 TIME 1200		DATE 730206 BAVY 102 TIME 1200		DATE 730213 BAVY 103 TIME 1200		DATE 730316 BAVY 104 TIME 1200	
195.00	19.90	244.00	19.50	165.00	18.70	180.00	18.50	202.00	18.80	169.00	18.50	172.00	18.50	138.50	18.90
241.00	21.80	261.00	21.60	172.00	17.70	209.00	18.50	232.00	19.30	185.00	19.00	192.00	19.10	210.00	18.40
246.00	19.10	275.00	17.90	250.00	18.60	241.00	19.60	248.00	20.30	230.00	18.30	239.00	19.50	260.00	21.50
345.00	16.80	305.00	14.90	282.00	19.60	261.00	21.50	260.00	21.20	263.00	20.90	266.00	21.30	270.00	18.30
353.00	17.00	343.00	18.60	241.00	21.50	270.00	18.40	270.00	18.00	272.00	17.90	276.00	17.80	289.00	15.80
375.00	9.80	353.00	17.00	272.00	17.60	284.00	16.10	281.00	16.00	307.00	16.90	312.00	16.90	315.00	15.00
401.00	8.90	367.00	12.50	309.00	16.80	311.00	16.90	304.00	16.70	350.00	16.90	344.00	16.30	340.00	16.20
453.00	8.60	391.00	10.00	342.00	16.50	343.00	16.50	349.00	16.00	352.00	11.60	354.00	16.80	348.00	16.20
493.00	5.40	409.00	8.90	350.00	17.00	333.00	17.00	347.00	16.80	383.00	7.60	365.00	13.40	362.00	11.50
541.00	1.10	433.00	5.40	348.00	11.90	359.00	14.70	362.00	13.70	430.00	2.50	368.00	11.00	391.00	6.50
556.00	.30	473.00	1.50	415.00	9.80	381.00	12.60	381.00	8.10	485.00	.70	403.00	7.40	419.00	8.70
573.00	-.00	509.00	-.70	472.00	8.40	401.00	9.20	400.00	8.10	528.00	-.20	464.00	5.00	463.00	8.00
				487.00	7.20	437.00	6.70	451.00	5.80	573.00	-1.60	516.00	2.40	493.00	6.20
				507.00	5.60	478.00	-.70	511.00	.10					528.00	1.50
				532.00	.40			551.00	-.90					546.00	-.00
				552.00	-.50									572.00	-1.60

PROFILE 9

DATE 730324 BAVY 105 TIME 1200		DATE 730605 BAVY 106 TIME 1200		DATE 730612 BAVY 107 TIME 1200		DATE 730811 BAVY 108 TIME 1200		DATE 731219 BAVY 109 TIME 1200	
175.00	17.20	139.00	18.60	180.00	18.60	176.00	18.70	180.00	19.10
192.00	19.00	219.00	18.40	231.00	19.10	225.00	19.10	210.00	18.50
238.00	19.40	261.00	21.20	260.00	21.00	235.00	21.60	259.00	21.10
267.00	21.30	279.00	16.70	281.00	18.60	275.00	17.40	273.00	17.60
280.00	16.80	307.00	14.90	312.00	14.90	295.00	16.30	303.00	19.10
308.00	14.90	344.00	18.30	347.00	16.10	343.00	17.20	302.00	16.30
345.00	16.20	353.00	16.40	342.00	16.90	349.00	16.80	350.00	16.70
355.00	16.80	359.00	12.40	360.00	12.00	365.00	11.40	363.00	12.40
363.00	12.40	371.00	10.60	370.00	10.60	412.00	9.90	388.00	9.30
383.00	9.40	409.00	7.40	391.00	9.10	447.00	10.50	420.00	8.60
413.00	6.10	449.00	5.50	407.00	8.60	457.00	6.40	468.00	5.70
435.00	4.60	501.00	3.30	481.00	5.60	480.00	3.90	504.00	1.70
457.00	2.10	529.00	2.00	511.00	4.10	500.00	0.00	548.00	.20
		551.00	1.60	539.00	3.30	520.00	-1.70	573.00	-.70
		580.00	.40	558.00	1.90				
		603.00	-.80	580.00	.70				
				611.00	-.00				

PROFILE 10

DATE 621011 BAVY 1 TIME 1200		DATE 621029 BAVY 2 TIME 1200		DATE 621208 BAVY 3 TIME 1200		DATE 630107 BAVY 4 TIME 1200		DATE 630123 BAVY 5 TIME 1200		DATE 630207 BAVY 6 TIME 1200		DATE 630221 BAVY 7 TIME 1200		DATE 630312 BAVY 8 TIME 1200	
143.00	10.80	59.00	9.30	86.00	7.00	6.00	5.30	9.00	5.30	147.00	12.40	140.00	11.00	118.00	11.40
180.00	11.40	94.00	13.00	80.00	9.00	15.00	5.30	18.00	5.30	172.00	11.20	144.00	12.20	139.00	11.90
252.00	11.40	127.00	12.60	97.00	11.00	22.00	7.60	26.00	7.00	245.00	11.50	158.00	11.20	141.00	12.70
273.00	10.70	143.00	10.60	119.00	12.10	42.00	8.80	72.00	10.40	220.00	10.80	208.00	11.50	159.00	11.00
343.00	1.40	187.00	11.70	178.00	11.50	81.00	10.40	146.00	12.10	254.00	7.30	240.00	8.70	209.00	11.30
398.00	1.00	248.00	11.80	217.00	11.40	134.00	12.10	213.00	11.20	303.00	4.70	291.00	4.80	261.00	6.90
428.00	.20	316.00	7.20	241.00	7.70	161.00	11.20	259.00	6.90	419.00	.10	337.00	1.80	313.00	3.90
458.00	.10	340.00	5.00	267.00	4.90	214.00	11.30	394.00	.60			399.00	-.20	342.00	1.40
		359.00	2.20	298.00	3.70	246.00	7.80	405.00	-.10					392.00	0.00
		403.00	0.00			267.00	7.50								
						291.00	4.90								
						330.00	2.00								

PROFILE 10

DATE 630321 BAVY 9 TIME 1200		DATE 630409 BAVY 10 TIME 1200		DATE 630424 BAVY 11 TIME 1200		DATE 630509 BAVY 12 TIME 1200		DATE 630617 BAVY 13 TIME 1200		DATE 630710 BAVY 14 TIME 1200		DATE 630813 BAVY 15 TIME 1200		DATE 630925 BAVY 16 TIME 1200	
178.00	11.20	103.00	11.10	143.00	11.90	142.00	11.90	112.00	12.40	151.00	11.50	141.00	11.90	156.00	11.90
209.00	11.50	144.00	11.90	214.00	11.00	183.00	10.90	145.00	13.00	176.00	11.00	204.00	11.40	183.00	11.20
296.00	8.40	214.00	11.70	242.00	8.50	214.00	11.30	154.00	11.60	207.00	11.30	253.00	8.20	209.00	11.30
332.00	.60	251.00	7.80	272.00	6.90	238.00	8.70	165.00	11.00	244.00	8.30	289.00	7.90	239.00	8.30
396.00	0.00	275.00	6.20	302.00	7.20	280.00	7.60	207.00	11.30	295.00	7.80	321.00	6.50	273.00	8.20
		308.00	6.50	394.00	-.70	305.00	8.20	223.00	9.90	323.00	8.10	397.00	7.90	293.00	7.80
		347.00	3.60			338.00	5.40	248.00	8.00	391.00	8.00	424.00	8.80	350.00	5.00
		411.00	0.00			369.00	0.00	293.00	8.10	439.00	.60	447.00	.50	372.00	2.30
								315.00	6.00						
								360.00	1.70						
								424.00	1.10						
								461.00	.30						
								498.00	-.80						

PROFILE 10

DATE 850950 SRVY 17 TIME 1200		DATE 851141 SRVY 18 TIME 1200		DATE 851115 SRVY 19 TIME 1200		DATE 860108 SRVY 20 TIME 1200		DATE 860121 SRVY 21 TIME 1200		DATE 860312 SRVY 22 TIME 1200		DATE 860511 SRVY 23 TIME 1200		DATE 860713 SRVY 24 TIME 1200	
140.00	19.80	145.00	18.80	140.00	12.90	163.00	18.80	134.00	16.50	102.00	11.30	150.00	14.80	188.00	11.60
163.00	11.20	165.00	11.00	146.00	11.40	155.00	15.50	164.00	17.10	136.00	15.10	163.00	11.00	227.00	9.80
189.00	11.00	207.00	11.10	232.00	10.50	166.00	11.70	193.00	16.90	165.00	11.50	234.00	8.50	297.00	9.70
208.00	11.20	258.00	8.00	262.00	7.50	303.00	5.60	239.00	9.20	240.00	8.05	267.00	9.00	325.00	8.90
257.00	9.10	317.00	8.30	331.00	9.50	367.00	.90	274.00	7.50	289.00	8.00	299.00	9.10	367.00	3.20
318.00	8.30	374.00	9.00	380.00	8.50			310.00	2.80	325.00	5.80	330.00	5.00	390.00	1.20
375.00	8.50	477.00	.80	470.00	6.10					350.00	3.60	362.00	1.10		
478.00	.40	516.00	9.80	461.00	3.00							374.00	.20		
517.00	4.80			479.00	2.70										

PROFILE 10

DATE 840910 SRVY 25 TIME 1200		DATE 841105 SRVY 26 TIME 1200		DATE 850218 SRVY 27 TIME 1200		DATE 850412 SRVY 28 TIME 1200		DATE 850527 SRVY 29 TIME 1200		DATE 850816 SRVY 30 TIME 1200		DATE 860127 SRVY 31 TIME 1200		DATE 860415 SRVY 32 TIME 1200	
163.00	11.80	138.00	15.90	138.00	14.90	142.00	14.80	142.00	14.50	165.00	14.20	140.00	14.10	177.00	12.00
203.00	9.40	155.00	13.10	188.00	12.60	171.00	11.60	189.00	10.90	359.00	5.70	186.00	12.90	242.00	7.60
228.0	9.50	198.00	11.50	200.00	11.00	226.00	10.40	259.00	9.70	389.00	1.00	243.00	7.40	289.00	8.00
318.0	10.50	248.00	11.10	270.00	9.90	323.00	7.80	318.00	7.10	800.00	.00	273.00	9.40	308.00	9.10
378.0	2.10	323.00	6.20	244.00	7.70	359.00	2.40	378.00	6.20			288.00	8.70		
413.00	1.00	368.00	7.90	310.00	9.10			410.00	1.50			302.00	3.50		
		400.00	1.40	399.00	-.70			453.00	0.00						

PROFILE 10

DATE 860830 SRVY 34 TIME 1200		DATE 870113 SRVY 35 TIME 1200		DATE 870215 SRVY 36 TIME 1200		DATE 870401 SRVY 37 TIME 1200		DATE 870726 SRVY 38 TIME 1200		DATE 870921 SRVY 39 TIME 1200		DATE 871107 SRVY 40 TIME 1200		DATE 871206 SRVY 41 TIME 1200	
84.00	12.00	179.00	14.80	179.00	14.90	180.00	13.10	179.00	10.80	179.00	15.10	152.00	14.90	181.00	14.90
177.0	12.80	203.00	11.50	189.00	12.30	207.00	11.10	196.00	12.00	190.00	15.10	204.00	11.70	192.00	12.90
185.00	17.30	254.00	8.70	236.00	9.40	264.00	10.20	214.00	11.30	214.00	11.30	253.00	10.80	237.00	11.00
240.0	9.10	319.00	8.50	299.00	8.30	314.00	8.50	260.00	10.70	253.00	11.00	308.00	7.70	351.00	8.10
284.00	9.90	381.00	7.80	339.00	7.20	342.00	2.50	274.00	8.80	300.00	5.50	370.00	4.90	417.00	1.60
316.00	9.80	422.00	.80	390.00	3.80			323.00	8.10	401.00	5.00	409.00	2.70	488.00	.00
326.00	9.60							348.00	7.10	439.00	5.70	442.00	2.80	505.00	-.90
336.00	8.00							368.00	5.00	456.00	4.10				
390.00	4.10							382.00	5.00						

PROFILE 10

DATE 880105 SRVY 42 TIME 1200		DATE 880115 SRVY 43 TIME 1200		DATE 880318 SRVY 44 TIME 1200		DATE 880124 SRVY 45 TIME 1200		DATE 880131 SRVY 46 TIME 1200		DATE 880207 SRVY 47 TIME 1200		DATE 880210 SRVY 48 TIME 1200		DATE 880220 SRVY 49 TIME 1200	
118.00	11.40	180.00	14.90	184.00	15.50	171.00	15.50	181.50	14.90	180.00	14.80	181.00	14.80	188.00	15.60
165.00	15.00	198.00	12.80	180.00	14.90	194.00	12.60	196.00	12.80	195.00	12.80	204.00	12.40	182.00	14.80
181.00	14.90	245.00	10.90	191.00	12.80	231.00	11.20	232.00	11.10	231.00	11.00	254.00	9.30	196.00	12.80
201.00	17.40	289.00	8.30	231.00	11.10	315.00	8.50	281.00	7.00	269.00	8.30	304.00	8.30	214.00	11.90
245.00	10.40	318.00	7.00	278.00	9.00	345.00	6.10	320.00	6.00	332.00	6.50	340.00	6.00	256.00	9.70
299.00	8.30	338.00	6.50	311.00	8.20	371.00	1.70	357.00	4.00	366.00	1.80	361.00	4.00	298.00	6.40
321.00	6.80	370.00	1.10	328.00	4.00	360.00	3.00	390.00	1.70	381.00	.70	389.00	2.80	336.00	4.80
360.00	1.50			392.00	1.30	429.00	1.80	407.00	1.80			371.00	1.90	367.00	.50
						446.00	.90								

PROFILE 10

DATE 880228 SRVY 50 TIME 1200		DATE 880306 SRVY 51 TIME 1200		DATE 880318 SRVY 52 TIME 1200		DATE 880522 SRVY 53 TIME 1200		DATE 880527 SRVY 54 TIME 1200		DATE 881119 SRVY 55 TIME 1200		DATE 890117 SRVY 56 TIME 1200		DATE 890128 SRVY 57 TIME 1200	
188.00	15.20	188.00	15.00	159.00	14.35	169.00	15.10	172.00	14.10	129.00	11.80	134.00	11.90	183.00	15.70
182.00	14.80	182.00	14.60	182.00	14.80	182.00	14.80	181.00	14.80	154.00	13.90	175.00	15.70	189.00	15.10
196.00	12.80	191.00	13.00	190.00	15.10	195.00	13.20	195.00	13.10	186.50	15.35	183.00	15.90	221.00	11.20
271.00	8.30	222.00	11.30	254.00	9.20	247.00	9.50	244.00	8.10	193.50	15.20	195.00	15.50	273.00	9.70
303.00	7.90	266.00	7.70	302.00	5.20	303.00	5.30	317.00	6.40	221.00	11.90	223.00	11.00	321.00	7.70
330.00	5.80	302.00	5.50	345.00	3.90	351.00	2.30	347.00	5.10	270.00	7.50	244.00	7.90	351.00	8.40
335.00	3.70	332.00	6.00			383.00	1.10	367.00	.90	303.00	7.90	335.00	7.50	413.00	43.00
352.00	1.60	352.00	3.00					429.00	-.80	324.00	5.20	379.00	3.90		
		373.00	.90							358.00	2.00	395.00	1.00		
										397.00	1.10	408.00	.20		
										440.00	.60				
										458.00	.20				
										474.00	-.50				
										507.00	-1.80				

PROFILE 10

DATE 890207 SRVY 58 TIME 1200		DATE 890215 SRVY 59 TIME 1200		DATE 890224 SRVY 60 TIME 1200		DATE 890228 SRVY 61 TIME 1200		DATE 890310 SRVY 62 TIME 1200		DATE 890314 SRVY 63 TIME 1200		DATE 890321 SRVY 64 TIME 1200		DATE 890418 SRVY 65 TIME 1200	
183.00	15.40	183.00	15.80	183.00	11.90	185.00	15.80	183.00	15.80	183.00	15.80	181.00	16.70	183.00	16.30
193.00	15.20	196.00	15.30	193.00	15.40	197.00	15.40	196.00	15.20	198.00	15.50	158.00	13.50	222.00	12.40
223.00	11.10	223.00	10.90	198.00	15.40	225.00	11.10	225.00	11.20	233.00	10.10	174.00	15.50	249.00	8.90
273.00	9.80	275.00	8.70	226.00	11.10	238.00	10.50	247.00	9.10	267.00	7.00	183.00	15.60	289.00	7.90
313.00	8.50	331.00	8.20	255.00	10.90	279.00	8.40	286.00	5.90	325.00	4.20	198.00	15.20	324.00	8.10
340.00	5.80	383.00	1.20	283.00	6.00	328.00	2.90	330.00	3.10	371.00	3.30	223.00	10.70	371.00	2.30
364.00	5.40	420.00	-0.20	378.00	1.40	352.00	1.70	398.00	1.80	435.00	.30	252.00	8.80	457.00	.50
408.00	-.40							448.00	.00	505.00	-1.80	298.00	6.60		
511.00	-2.00							532.00	-1.00	591.00	-3.40	363.00	3.40		
								621.00	-4.90			403.00	-.20		

PROFILE 10

DATE 890918 SRVY 66 TIME 1200		DATE 891129 SRVY 67 TIME 1200		DATE 891220 SRVY 68 TIME 1200		DATE 900115 SRVY 69 TIME 1200		DATE 900122 SRVY 70 TIME 1200		DATE 900129 SRVY 71 TIME 1200		DATE 900211 SRVY 72 TIME 1200		DATE 900218 SRVY 73 TIME 1200	
191.00	16.00	174.00	16.10	189.00	15.80	178.00	16.90	184.00	16.40	179.00	16.50	182.00	16.90	185.00	16.50
212.00	13.70	195.00	15.80	230.00	11.20	206.00	14.30	200.00	15.70	198.00	16.00	211.00	15.20	215.00	13.10
234.00	10.60	207.00	14.40	260.00	8.40	241.00	10.90	208.00	13.70	219.00	13.20	224.00	12.20	225.00	13.10
261.00	9.10	237.00	10.20	298.00	7.00	274.00	9.30	227.00	12.30	226.00	11.90	261.00	9.20	251.00	10.80
307.00	8.00	279.00	10.10	347.00	9.00	314.00	8.10	274.00	9.40	255.00	9.60	295.00	6.70	291.00	8.20
378.00	7.40	294.00	8.30	400.00	4.30	348.00	6.30	329.00	7.60	305.00	8.60	302.00	7.40	323.00	7.10
402.00	6.40	320.00	8.60	444.00	-2.00	369.00	3.70	370.00	6.20	336.00	5.50	347.00	8.30	371.00	2.90
421.00	2.40	329.00	6.00			444.00	-.60	426.00	1.80	374.00	3.70	387.00	5.10	443.00	.60
434.00	1.10	344.00	3.20			477.00	-2.00	454.00	-.50	407.00	-.50	455.00	4.40	480.00	-1.10
474.00	.60	415.00	1.60					484.00	-.80	484.00	-2.00	504.00	-3.10		
		440.00	-.30												
		487.00	-3.40												

PROFILE 10

DATE 900225 SRVY 74 TIME 1200		DATE 900308 SRVY 75 TIME 1200		DATE 900312 SRVY 76 TIME 1200		DATE 900918 SRVY 77 TIME 1200		DATE 900907 SRVY 78 TIME 1200		DATE 900812 SRVY 79 TIME 1200		DATE 900930 SRVY 80 TIME 1200		DATE 901201 SRVY 81 TIME 1200	
190.00	16.00	156.00	16.60	179.00	16.50	176.00	17.10	175.00	16.70	195.00	15.80	148.00	16.30	185.00	16.30
209.00	13.60	204.00	12.50	197.00	15.30	207.00	13.90	211.00	15.60	211.00	13.50	209.00	14.00	197.00	16.10
235.00	12.00	255.00	8.80	225.00	12.00	230.00	12.70	223.00	12.70	238.00	11.80	240.00	11.50	209.00	14.10
273.00	9.20	299.00	7.20	262.00	10.00	245.00	10.80	228.00	12.90	273.00	8.10	267.00	8.70	229.00	13.10
317.00	7.30	339.00	6.90	294.00	8.90	268.00	9.10	238.00	11.40	335.00	9.10	302.00	8.50	259.00	10.20
382.00	2.70	391.00	.60	324.00	8.50	321.00	8.70	285.00	7.70	348.00	6.80	340.00	8.30	302.00	4.90
408.00	-.10	471.00	-2.70	350.00	4.30	372.00	4.00	341.00	7.30	376.00	3.90	342.00	4.80	339.00	2.10
488.00	-2.10			380.00	4.50	418.00	2.30	373.00	5.50	423.00	2.20	377.00	4.20	389.00	-.60
				413.00	1.20	432.00	-.40	387.00	4.10	444.00	.10	404.00	1.10	411.00	-.40
				473.00	-1.80	457.00	-2.40	410.00	3.80			425.00	-.80	539.00	-1.90
								433.00	.10						
								446.00	-1.70						

PROFILE 10

DATE 901218 SRVY 82 TIME 1200		DATE 910108 SRVY 83 TIME 1200		DATE 910212 SRVY 84 TIME 1200		DATE 910309 SRVY 85 TIME 1200		DATE 910408 SRVY 86 TIME 1200		DATE 910604 SRVY 87 TIME 1200		DATE 910811 SRVY 88 TIME 1200		DATE 911008 SRVY 89 TIME 1200	
190.00	16.10	166.00	16.00	196.00	16.30	183.00	16.80	179.00	16.30	158.00	13.90	192.00	15.30	191.00	15.30
202.00	14.60	205.00	14.60	207.00	14.30	197.00	15.70	199.00	15.70	188.00	14.80	255.00	12.50	203.00	12.30
208.00	14.40	264.00	14.20	208.00	11.90	205.00	14.40	203.00	14.50	202.00	12.60	254.00	8.60	219.00	10.50
210.00	11.00	235.00	10.80	252.00	8.20	209.00	14.20	208.00	11.90	230.00	8.80	303.00	5.00	253.00	9.50
252.00	6.40	259.00	7.50	295.00	2.70	217.00	8.80	247.00	4.90	277.00	6.40	345.00	4.40	300.00	10.10
295.00	3.70	274.00	4.00	301.00	.90	244.00	4.90	315.00	2.70	306.00	3.80	392.00	1.20	331.00	9.90
334.00	2.60	289.00	3.20	310.00	-.50	271.00	3.30	363.00	.20	329.00	.60	412.00	-.80	332.00	8.60
364.00	2.00	304.00	1.20	340.00	-3.70	321.00	-.10	402.00	.20	342.00	-1.00	424.00	-1.50	364.00	5.70
406.00	.80	329.00	-1.00			369.00	-2.20	437.00	.50					406.00	2.80
						381.00	-2.50	447.00	-.20					936.00	-.70
						423.00	-1.80	469.00	-1.80						

PROFILE 10

DATE 731201		DATE 720131		DATE 720205		DATE 720228		DATE 720301		DATE 720328		DATE 720531		DATE 720619	
SRVY 96		SRVY 97		SRVY 98		SRVY 99		SRVY 95		SRVY 96		SRVY 97		SRVY 98	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
196.00	15.90	180.00	14.40	190.00	12.00	151.00	12.50	150.00	12.80	153.00	13.10	138.00	12.20	139.00	12.20
210.00	11.80	209.00	12.30	190.00	14.80	183.00	14.00	181.00	14.80	161.00	13.40	160.00	10.30	151.00	13.20
228.00	10.40	287.00	8.10	200.00	13.00	185.00	12.50	189.00	11.90	191.00	11.10	171.00	10.30	189.00	14.00
261.00	8.70	296.00	5.20	209.00	11.40	190.00	11.40	219.00	8.40	237.00	7.20	186.00	13.70	185.00	14.90
335.00	4.60	309.00	5.30	239.00	7.90	219.00	7.50	251.00	4.70	280.00	4.50	190.00	11.80	191.00	11.70
398.00	1.90	337.00	2.60	277.00	5.10	249.00	5.30	293.00	3.70	303.00	3.50	235.00	8.80	224.00	4.30
495.00	.50	367.00	2.80	329.00	2.90	279.00	4.00	333.00	2.20	319.00	4.40	292.00	7.20	260.00	1.50
520.00	-2.00	427.00	.80	379.00	2.00	311.00	3.40	372.00	1.00	361.00	4.90	362.00	4.40	308.00	7.00
		469.00	-.40	424.00	.70	341.00	2.30	386.00	.30	381.00	1.60	425.00	1.80	359.00	8.70
		499.00	-2.20	449.00	-.10	363.00	1.20			401.00	.20	455.00	.60	391.00	3.70
						389.00	-.10			421.00	-.60	470.00	-.30	421.00	1.40
														446.00	-.50

PROFILE 10

DATE 721003		DATE 721209		DATE 730103		DATE 730206		DATE 730213		DATE 730316		DATE 730324		DATE 730405	
SRVY 99		SRVY 100		SRVY 101		SRVY 102		SRVY 103		SRVY 104		SRVY 105		SRVY 106	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
178.00	12.60	183.00	16.10	172.00	16.30	178.00	16.60	184.00	16.40	182.00	16.50	190.00	16.70	178.00	16.60
158.00	16.40	190.00	12.00	179.00	13.70	189.00	13.00	190.00	13.50	191.00	13.10	194.00	13.60	189.00	12.40
181.00	14.40	206.00	11.20	199.00	12.10	217.00	9.30	197.00	12.60	202.00	11.70	192.00	12.30	193.00	12.60
198.00	12.30	248.00	8.80	253.00	7.80	264.00	6.30	204.00	11.80	203.00	10.00	223.00	8.30	208.00	10.50
236.00	8.80	286.00	5.90	303.00	4.10	302.00	5.00	205.00	10.20	236.00	7.40	255.00	6.20	248.00	7.30
284.00	4.60	334.00	3.20	308.00	2.20	356.00	2.10	251.00	8.00	281.00	4.60	266.00	5.70	299.00	4.90
326.00	8.00	374.00	1.60	398.00	.80	407.00	-.10	299.00	1.90	308.00	4.50	277.00	5.10	343.00	2.50
363.00	8.80	413.00	.20	445.00	-.10	466.00	-1.20			341.00	1.70	289.00	8.80	373.00	.80
413.00	2.70	424.00	-.50	491.00	-1.60					385.00	0.00	313.00	2.90	377.00	-.10
458.00	-.70	465.00	-.60							426.00	-.70				
475.00	-1.80									458.00	-.50				
										483.00	-1.60				
										503.00	-1.20				
										531.00	-1.90				

PROFILE 10

DATE 730618		DATE 730911		DATE 731219	
SRVY 107		SRVY 108		SRVY 109	
TIME 1200		TIME 1200		TIME 1200	
178.00	16.30	183.00	16.40	191.00	13.80
190.00	13.00	223.00	8.70	189.00	15.50
205.00	10.10	286.00	8.20	192.00	13.40
247.00	7.10	296.00	7.20	200.00	12.10
307.00	7.40	339.00	8.00	237.00	6.50
363.00	1.20	359.00	6.20	260.00	5.70
414.00	1.60	396.00	1.70	304.00	5.30
455.00	.40	429.00	-2.00	385.00	1.70
482.00	-1.30			390.00	.30
				410.00	-.50

PROFILE 11

DATE 821011		DATE 821029		DATE 821206		DATE 830107		DATE 830123		DATE 830207		DATE 830221		DATE 830312	
SRVY 1		SRVY 2		SRVY 3		SRVY 4		SRVY 5		SRVY 6		SRVY 7		SRVY 8	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
120.00	11.10	164.00	23.10	103.00	7.40	0.00	6.10	0.00	6.00	217.00	10.60	153.00	24.00	143.00	23.40
155.00	22.90	177.00	22.40	121.00	11.20	97.00	7.20	83.00	6.60	258.00	8.50	164.00	21.00	159.00	21.90
169.00	23.90	201.00	13.40	134.00	16.50	159.00	23.50	96.00	7.00	304.00	6.10	212.00	13.70	189.00	13.20
174.00	22.90	206.00	8.40	151.00	23.10	185.00	20.60	159.00	23.40	344.00	8.30	257.00	9.30	232.00	9.00
196.00	14.00	249.00	9.50	159.00	23.10	197.00	14.00	183.00	21.00	381.00	8.70	276.00	8.50	262.00	8.00
202.00	12.80	370.00	7.60	177.00	23.20	233.00	8.70	216.00	16.70	419.00	6.40	326.00	9.10	304.00	8.40
216.00	11.40	418.00	8.30	184.00	20.60	273.00	7.60	270.00	7.60	485.00	1.50	350.00	8.90	338.00	9.30
265.00	8.60	426.00	9.00	197.00	13.90	330.00	7.60	333.00	8.70	884.00	0.00	405.00	8.80	382.00	8.50
307.00	7.00			235.00	9.50	380.00	8.70	380.00	6.10			456.00	1.40	420.00	1.60
333.00	8.60			247.00	8.70	416.00	1.80	434.00	6.00			521.00	.30	460.00	.80
372.00	9.30			338.00	4.10										
381.00	8.20														
400.00	5.60														
422.00	1.80														
428.00	.40														

PROFILE 11

DATE SHVY 9 TIME 1200		DATE SHVY 10 TIME 1200		DATE SHVY 11 TIME 1200		DATE SHVY 12 TIME 1200		DATE SHVY 13 TIME 1200		DATE SHVY 14 TIME 1200		DATE SHVY 15 TIME 1200		DATE SHVY 16 TIME 1200	
189.00	23.30	199.00	19.00	185.00	23.70	174.00	22.40	181.00	22.70	180.00	20.80	188.00	21.40	174.00	21.30
159.00	22.80	209.00	18.40	142.00	21.40	208.00	12.50	181.00	21.00	207.00	12.60	192.00	19.50	213.00	12.00
196.00	13.30	223.00	15.70	285.00	12.50	265.00	8.80	204.00	14.90	266.00	9.70	212.00	12.80	240.00	9.30
194.00	11.90	281.00	8.20	240.00	9.40	284.00	7.80	229.00	10.40	288.00	8.10	243.00	9.50	252.00	8.40
235.00	9.20	327.00	8.50	287.00	7.40	333.00	6.00	282.00	8.40	350.00	8.30	269.00	8.10	274.00	8.00
254.00	8.40	394.00	6.60	301.00	8.50	375.00	7.60	350.00	8.00	379.00	7.60	391.00	6.20	322.00	8.00
333.00	6.40	439.00	2.40	391.00	3.50	401.00	6.00	394.00	6.60	448.00	7.70	400.00	7.40	344.00	8.30
352.00	7.80	471.00	.30	425.00	5.20	439.00	2.40	434.00	6.70	504.00	-.20	455.00	7.80	356.00	8.30
377.00	4.40	503.00	0.00	478.00	1.10	474.00	.80	518.00	-.20			500.00	0.00	389.00	7.10
400.00	2.40	530.00	0.00	501.00	.10	485.00	-.10							420.00	5.40
420.00	1.10			523.00	.20									451.00	2.30
				541.00	-.20										

PROFILE 13

DATE SHVY 17 TIME 1200		DATE SHVY 18 TIME 1200		DATE SHVY 19 TIME 1200		DATE SHVY 20 TIME 1200		DATE SHVY 21 TIME 1200		DATE SHVY 22 TIME 1200		DATE SHVY 23 TIME 1200		DATE SHVY 24 TIME 1200	
171.00	22.40	174.00	22.40	200.00	13.20	165.00	23.50	172.00	22.90	147.00	21.70	140.00	21.10	181.00	21.40
216.00	11.20	214.00	10.90	216.00	11.60	180.00	22.90	217.00	11.80	179.00	23.20	161.00	23.40	215.00	11.90
259.00	8.20	260.00	8.10	269.00	8.50	209.00	15.30	255.00	8.80	216.00	11.80	175.00	21.70	253.00	8.30
310.00	8.10	315.00	8.00	319.00	8.90	261.00	8.40	300.00	1.70	253.00	6.60	197.00	14.50	313.00	8.90
354.00	8.40	354.00	8.50	411.00	5.50	310.00	6.30	357.00	8.10	328.00	4.20	234.00	9.50	357.00	7.00
396.00	6.20	399.00	5.90	454.00	2.10	369.00	6.30			370.00	2.60	276.00	8.10	399.00	4.60
398.00	6.00	451.00	8.10			420.00	1.70			430.00	.70	308.00	7.50	409.00	2.90
451.00	2.10	502.00	0.00			440.00	1.10			448.00	0.00	344.00	6.00		
501.00	0.00											384.00	.80		
												405.00	.10		

PROFILE 11

DATE SHVY 25 TIME 1200		DATE SHVY 26 TIME 1200		DATE SHVY 27 TIME 1200		DATE SHVY 28 TIME 1200		DATE SHVY 29 TIME 1200		DATE SHVY 30 TIME 1200		DATE SHVY 31 TIME 1200		DATE SHVY 32 TIME 1200	
140.00	23.70	167.00	23.40	152.00	23.00	165.00	22.70	164.00	23.00	159.00	23.00	175.00	22.40	179.00	23.10
189.00	19.30	180.00	22.10	171.00	21.00	219.00	17.20	192.00	19.00	164.00	19.50	208.00	14.00	212.00	15.10
210.00	13.10	217.00	12.00	253.00	8.50	289.00	6.00	215.00	14.00	216.00	12.50	248.00	9.40	252.00	8.40
245.00	9.70	242.00	7.70	288.00	7.00	317.00	6.90	265.00	8.70	266.00	8.10	296.00	5.40	297.00	7.80
278.00	10.70	293.00	5.70	351.00	2.10	375.00	1.80	334.00	7.90	340.00	6.50			308.00	6.50
314.00	11.00	342.00	7.20	476.00	1.50			379.00	6.20	360.00	5.40				
352.00	8.00	364.00	4.40					432.00	.90	408.00	1.90				
405.00	.40	373.00	3.80					472.00	-.20						

PROFILE 11

DATE SHVY 33 TIME 1200		DATE SHVY 34 TIME 1200		DATE SHVY 35 TIME 1200		DATE SHVY 36 TIME 1200		DATE SHVY 37 TIME 1200		DATE SHVY 38 TIME 1200		DATE SHVY 39 TIME 1200		DATE SHVY 40 TIME 1200	
149.00	24.00	150.00	22.70	179.00	22.50	174.00	22.10	177.00	23.70	175.00	21.90	174.00	22.50	179.00	21.70
228.00	10.90	205.00	10.50	219.00	12.70	215.00	14.00	214.00	13.90	231.00	11.70	232.00	11.80	227.00	11.80
261.00	8.00	225.00	7.50	265.00	9.60	288.00	5.60	265.00	9.60	278.00	7.60	286.00	9.30	261.00	9.60
326.00	4.10	269.00	4.70	312.00	4.30	337.00	3.00	321.00	4.90	318.00	7.80	302.00	6.90	263.00	8.40
357.00	3.00	274.00	4.00	351.00	1.40					349.00	2.60	314.00	4.10	302.00	3.60
		319.00	7.50											314.00	3.20
		342.00	7.20												
		382.00	1.00												
		411.00	0.00												

PROFILE 11

DATE SHVY 41 TIME 1200		DATE SHVY 42 TIME 1200		DATE SHVY 43 TIME 1200		DATE SHVY 44 TIME 1200		DATE SHVY 45 TIME 1200		DATE SHVY 46 TIME 1200		DATE SHVY 47 TIME 1200		DATE SHVY 48 TIME 1200	
177.00	22.40	95.00	7.40	157.00	17.90	157.00	17.70	175.00	21.90	159.00	17.50	164.00	19.40	175.00	19.00
257.00	10.00	158.00	19.00	184.00	19.50	174.00	21.60	190.00	17.70	167.00	18.50	177.00	21.90	179.00	21.90
307.00	6.10	166.00	18.80	173.00	21.90	190.00	17.20	214.00	15.40	176.00	22.10	202.00	15.80	204.00	15.30
354.00	5.70	174.00	22.40	185.00	15.30	221.00	12.40	234.00	10.70	193.00	17.30	224.00	11.50	243.00	10.40
405.00	1.40	201.00	15.70	209.00	14.00	239.00	10.90	251.00	8.50	217.00	12.90	241.00	4.80	286.00	8.00
454.00	.30	261.00	8.20	254.00	8.60	274.00	6.80	275.00	6.30	240.00	10.50	272.00	8.40	304.00	6.80
		304.00	6.10	310.00	5.90	301.00	6.40	301.00	4.40	265.00	7.90	290.00	6.70	320.00	4.60
		337.00	2.90	335.00	.80	311.00	4.60	350.00	.50	278.00	7.90	309.00	6.90	335.00	3.00
		339.00	2.80	366.00	.50			384.00	-.10	300.00	6.10	339.00	1.20	349.00	.80
										339.00	.40	384.00	-.10		

PROFILE 11

DATE 890270 BHVY 49 TIME 1200		DATE 890228 BHVY 50 TIME 1200		DATE 890306 BHVY 51 TIME 1200		DATE 890314 BHVY 52 TIME 1200		DATE 890322 BHVY 53 TIME 1200		DATE 890327 BHVY 54 TIME 1200		DATE 891119 BHVY 55 TIME 1200		DATE 890117 BHVY 56 TIME 1200	
170.00	18.70	169.00	18.70	169.00	18.70	169.00	18.70	169.00	18.70	170.00	18.70	96.00	7.70	122.00	9.70
177.00	21.40	177.00	21.70	178.00	21.80	178.00	21.70	178.00	21.70	179.00	21.70	137.00	14.90	175.00	18.30
205.00	15.70	193.00	16.40	199.00	16.30	194.00	16.80	213.00	14.00	195.00	16.20	187.00	15.20	225.00	10.90
233.00	11.50	216.00	13.80	221.00	12.20	218.00	12.90	238.00	10.70	218.00	12.80	195.00	14.00	307.00	7.20
277.00	7.30	229.00	11.80	259.00	8.70	255.00	9.00	273.00	7.60	284.00	5.90	225.00	12.00	389.00	7.20
296.00	4.90	269.00	8.40	299.00	5.70	356.00	2.10	300.00	7.20	313.00	5.30	255.00	8.50	387.00	2.70
325.00	3.20	307.00	7.10	321.00	4.20			334.00	1.80	359.00	-1.50	266.00	6.30	403.00	.60
339.00	1.20	338.00	3.40	371.00	2.00							314.00	3.50		
		350.00	1.60	388.00	.90							334.00	1.20		
												350.00	.40		
												396.00	0.00		
												400.00	-2.20		

PROFILE 11

DATE 890129 BHVY 57 TIME 1200		DATE 890213 BHVY 58 TIME 1200		DATE 890224 BHVY 60 TIME 1200		DATE 890328 BHVY 61 TIME 1200		DATE 890310 BHVY 62 TIME 1200		DATE 890310 BHVY 63 TIME 1200		DATE 890325 BHVY 64 TIME 1200		DATE 890318 BHVY 65 TIME 1200	
172.00	16.60	172.00	16.40	95.00	7.30	172.00	16.60	172.00	16.60	172.00	16.70	108.00	8.30	74.00	6.60
194.00	16.50	219.00	11.30	172.00	14.80	179.00	16.70	222.00	11.10	186.00	15.80	138.00	10.80	134.00	10.90
224.00	11.10	253.00	9.20	221.00	11.40	222.50	11.00	274.00	10.60	220.00	11.30	172.00	14.30	170.00	16.30
278.00	8.90	292.00	7.40	251.00	10.50	290.00	10.30	312.00	7.20	252.00	10.40	190.00	14.90	205.00	13.00
327.00	7.60	319.00	5.20	282.00	9.40	340.00	6.60	371.00	.60	288.00	10.30	274.00	10.80	252.00	12.30
377.00	2.50	349.00	3.30	314.00	7.10	400.00	1.90	431.00	-.60	374.00	6.20	292.00	10.30	284.00	9.70
411.00	-1.60	381.00	1.00	378.00	1.30			480.00	-5.80	379.00	.70	284.00	10.60	339.00	6.70
										444.00	-2.40	322.00	5.30	381.00	6.90
										492.00	-5.50	372.00	-.50	455.00	2.70
										528.00	.40	452.00	-5.20	538.00	.10
										567.00	.20			569.00	-1.20
										622.00	-.30				
										728.00	-2.30				

PROFILE 11

DATE 890918 BHVY 66 TIME 1200		DATE 891124 BHVY 67 TIME 1200		DATE 891220 BHVY 68 TIME 1200		DATE 700115 BHVY 69 TIME 1200		DATE 700122 BHVY 70 TIME 1200		DATE 700129 BHVY 71 TIME 1200		DATE 700211 BHVY 72 TIME 1200		DATE 700218 BHVY 73 TIME 1200	
170.00	18.00	171.00	15.70	171.00	15.40	190.00	18.30	190.00	18.30	173.00	15.10	172.00	15.00	176.00	14.60
212.00	11.80	205.00	12.50	241.00	10.40	217.00	10.50	209.00	15.70	190.00	14.30	215.00	11.70	209.00	11.60
265.00	10.50	245.00	8.40	314.00	9.30	267.00	8.20	240.00	10.40	219.00	11.40	242.00	12.50	257.00	10.80
288.00	8.00	300.00	8.40	381.00	8.80	320.00	7.00	282.00	8.00	266.00	9.60	285.00	8.50	274.00	9.10
344.00	7.80	347.00	9.40	404.00	8.50	362.00	7.50	324.00	7.00	300.00	8.00	330.00	7.50	337.00	5.80
390.00	5.20	355.00	4.10	472.00	1.70	402.00	6.70	370.00	7.10	362.00	7.30	426.00	5.00	395.00	2.80
433.00	4.90	408.00	7.40	509.00	-.60	458.00	2.00	432.00	2.60	423.00	3.40	492.00	.90	477.00	0.00
465.00	2.50	439.00	7.90			545.00	-.40	483.00	3.00	436.00	2.70	577.00	-1.60	514.00	-1.10
512.00	1.00	485.00	5.80			603.00	-2.30	512.00	.40	487.00	2.10				
529.00	.60	499.00	8.30					550.00	-.60	534.00	.70				
		600.00	-1.70					600.00	-2.00	581.00	-1.50				
		625.00	-2.40												

PROFILE 11

DATE 700225 BHVY 74 TIME 1200		DATE 700308 BHVY 75 TIME 1200		DATE 700318 BHVY 76 TIME 1200		DATE 700314 BHVY 77 TIME 1200		DATE 700407 BHVY 78 TIME 1200		DATE 700412 BHVY 79 TIME 1200		DATE 700936 BHVY 80 TIME 1200		DATE 701201 BHVY 81 TIME 1200	
175.00	15.80	176.00	14.90	174.00	15.40	176.00	15.70	174.00	15.80	177.00	16.20	171.00	15.60	159.00	15.70
219.00	11.50	215.00	11.40	212.00	11.30	222.00	11.00	230.00	10.80	208.00	12.00	257.00	11.80	183.00	14.30
255.00	9.40	252.00	9.70	257.00	9.60	263.00	8.50	268.00	9.20	241.00	10.30	275.00	8.60	207.00	11.90
300.00	7.40	288.00	7.60	308.00	7.30	308.00	7.10	330.00	6.90	268.00	8.30	326.00	7.30	250.00	8.90
351.00	5.00	367.00	5.90	359.00	7.50	363.00	7.00	368.00	5.50	334.00	7.50	372.00	7.90	287.00	8.50
408.00	2.30	452.00	2.50	401.00	5.00	365.00	5.60	410.00	6.20	349.00	6.00	422.00	8.70	324.00	7.70
496.00	0.00	542.00	-1.30	459.00	2.10	413.00	2.00	458.00	4.70	413.00	6.00	487.00	7.80	362.00	9.10
520.00	-.90			477.00	.30	448.00	1.20	485.00	3.20	476.00	5.70	492.00	3.60	417.00	2.10
				509.00	.00	465.00	.40	510.00	.30	498.00	1.70	507.00	1.00	447.00	1.40
				519.00	4.20	527.00	.80	530.00	-1.10	527.00	2.00	523.00	-.50	537.00	-.80
				580.00	-1.50	553.00	-2.00			568.00	.40			524.00	-2.00
						593.00	-2.20			588.00	-1.50				

PROFILE 11

DATE 8MYY TIME	701218 82 1200	DATE 8MYY TIME	710106 83 1200	DATE 8MYY TIME	710216 84 1200	DATE 8MYY TIME	710309 85 1200	DATE 8MYY TIME	710408 86 1200	DATE 8MYY TIME	710608 87 1200	DATE 8MYY TIME	710611 88 1200	DATE 8MYY TIME	711008 89 1200
188.00	15.40	169.00	15.50	187.00	15.30	189.00	15.00	170.00	16.50	189.00	14.60	169.00	14.00	169.00	14.10
207.00	11.70	207.00	11.80	207.00	11.50	192.00	12.20	192.00	12.10	207.00	11.00	192.00	12.40	192.00	12.60
244.00	10.10	237.00	10.20	257.00	9.20	207.00	11.40	207.00	11.40	257.00	9.00	208.00	11.30	204.00	11.60
297.00	7.60	277.00	8.30	307.00	7.40	249.00	9.10	240.00	9.20	297.00	7.60	269.00	9.00	259.00	8.40
357.00	5.60	329.00	6.60	357.00	5.60	297.00	7.80	315.00	7.30	334.00	6.70	310.00	8.10	297.00	7.70
412.00	3.80	369.00	5.50	419.00	3.80	348.00	5.50	387.00	4.80	377.00	6.10	372.00	6.20	347.00	6.30
442.00	3.10	399.00	4.30	466.00	2.30	396.00	3.50	428.00	3.10	396.00	7.00	423.00	5.40	402.00	5.50
457.00	3.60	437.00	4.20	502.00	1.70	446.00	1.60	482.00	1.50	427.00	7.70	435.00	8.00	427.00	5.70
517.00	1.50	457.00	2.60	527.00	1.10	508.00	.10	521.00	.80	452.00	2.20	435.00	5.20	428.00	6.60
537.00	.70	481.00	-.60	572.00	.20	549.00	-1.00	551.00	-.80	467.00	-.30	463.00	3.00	460.00	3.20
				617.00	-.70	587.00	-1.70	579.00	-1.60	484.00	-1.80	480.00	1.20	480.00	1.90
												499.00	-.20	524.00	2.90
														562.00	-1.10

PROFILE 11

DATE 8MYY TIME	711208 90 1200	DATE 8MYY TIME	720109 91 1200	DATE 8MYY TIME	720131 92 1200	DATE 8MYY TIME	720205 93 1200	DATE 8MYY TIME	720228 94 1200	DATE 8MYY TIME	720301 95 1200	DATE 8MYY TIME	720328 96 1200	DATE 8MYY TIME	720931 97 1200
164.00	15.20	168.00	15.00	163.00	15.20	192.00	12.00	165.00	15.30	167.00	15.50	168.00	15.40	157.00	15.00
192.00	12.40	192.00	12.00	191.00	13.20	232.00	9.90	192.00	12.80	192.00	13.30	192.00	12.90	187.00	15.70
256.00	9.00	240.00	9.30	192.00	12.50	285.00	9.40	211.00	11.40	192.00	12.90	255.00	9.80	192.00	12.95
307.00	7.70	309.00	7.60	255.00	9.00	337.00	8.20	251.00	9.30	217.00	11.20	337.00	6.40	211.00	11.50
347.00	9.10	373.00	8.60	292.00	7.80	393.00	5.60	292.00	7.70	258.00	9.10	422.00	4.90	257.00	9.10
427.00	5.70	453.00	3.80	338.00	6.30	452.00	3.80	364.00	5.20	292.00	7.70	481.00	3.80	315.00	7.10
487.00	2.90	531.00	1.60	411.00	3.10	502.00	2.50	424.00	3.60	358.00	5.80	542.00	6.80	364.00	7.40
552.00	.70	555.00	.40	481.00	4.90	537.00	1.80	482.00	2.50	409.00	4.20	582.00	1.40	417.00	8.10
617.00	-.20	584.00	-.50	488.00	.90	557.00	1.00	502.00	1.50	459.00	3.10	612.00	-.10	479.00	4.20
662.00	-2.40			551.00	-.30			584.00	.30	514.00	2.40	632.00	-.90	492.00	3.80
				569.00	-.70					578.00	1.60			524.00	3.40
				651.00	-1.00					592.00	1.00			619.00	2.40
										613.00	-.20			684.00	1.20
														697.00	.40
														717.00	-.50

PROFILE 11

DATE 8MYY TIME	720606 98 1200	DATE 8MYY TIME	721205 100 1200	DATE 8MYY TIME	730103 101 1200	DATE 8MYY TIME	730306 102 1200	DATE 8MYY TIME	730413 103 1200	DATE 8MYY TIME	730316 104 1200	DATE 8MYY TIME	730326 105 1200	DATE 8MYY TIME	730403 106 1200
139.00	12.80	171.00	16.00	170.00	15.70	171.00	15.80	174.00	16.00	174.00	15.30	174.00	16.20	174.00	16.30
		181.00	13.70	186.00	12.50	184.00	12.80	192.00	12.80	185.00	13.60	181.00	13.40	187.00	12.40
		192.00	12.00	192.00	12.80	192.00	12.60	208.00	11.00	238.00	11.00	192.00	12.70	192.00	12.40
		217.00	11.10	229.00	11.00	226.00	11.20	239.00	12.60	248.00	12.50	264.00	11.40	232.00	11.10
		237.00	12.10	240.00	12.30	238.00	12.50	252.00	10.80	247.00	11.00	232.00	11.10	249.00	12.70
		295.00	9.70	284.00	10.10	287.00	8.90	267.00	10.00	292.00	7.50	240.00	12.90	248.00	11.50
		341.00	10.10	302.00	10.70	348.00	6.10	324.00	6.80	337.00	5.00	292.00	10.40	297.00	5.80
		368.00	8.70	372.00	5.70	403.00	2.90	367.00	1.40	372.00	3.20	274.00	7.40	344.00	3.30
		389.00	5.30	433.00	3.20	458.00	.70	389.00	.60	400.00	2.40	302.00	4.20	377.00	2.30
		432.00	3.00	497.00	1.00	512.00	-.70			432.00	2.60	312.00	3.20	402.00	1.20
		457.00	1.50	572.00	-.60					477.00	.50			437.00	-.30
		470.00	.80							502.00	-.80				
		485.00	0.00							532.00	-1.50				

PROFILE 11

DATE 8MYY TIME	730412 107 1200	DATE 8MYY TIME	730911 108 1200	DATE 8MYY TIME	731219 109 1200
171.00	15.90	171.00	15.60	173.00	15.80
192.00	12.70	185.00	13.00	193.00	12.70
218.00	11.10	193.00	12.60	220.00	11.90
257.00	12.70	231.00	11.10	259.00	12.70
260.00	8.40	239.00	12.00	275.00	9.00
317.00	6.50	262.00	8.90	313.00	5.70
367.00	5.00	294.00	6.90	353.00	3.50
417.00	3.40	341.00	6.00	393.00	1.70
459.00	.80	393.00	4.00	433.00	.30
487.00	-.10	423.00	3.00	473.00	-1.00
501.00	-.50	463.00	-.80		
		484.00	-2.80		

PROFILE 12

DATE	720809	DATE	721003	DATE	721205	DATE	730103	DATE	730206	DATE	730213	DATE	730316	DATE	730324
BHVY	95	BHVY	96	BHVY	100	BHVY	101	BHVY	102	BHVY	103	BHVY	104	BHVY	105
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
212.00	16.50	174.00	15.60	212.00	16.80	212.00	16.60	285.00	13.40	212.00	16.50	231.00	15.90	210.00	16.00
238.00	15.50	184.00	16.40	275.00	18.80	245.00	15.50	325.00	12.90	256.00	16.80	253.00	17.40	250.00	15.60
253.00	17.40	212.00	16.60	322.00	13.20	257.00	17.10	389.00	12.30	297.00	12.70	276.00	14.80	250.00	16.40
280.00	16.20	239.00	15.60	359.00	12.30	262.00	11.50	430.00	13.10	341.00	12.40	293.00	12.90	272.00	14.40
320.00	12.80	254.00	17.30	401.00	12.90	322.00	12.80	469.00	10.60	389.00	12.30	339.00	12.50	310.00	13.30
357.00	12.30	297.00	18.60	439.00	12.90	357.00	12.40	513.00	7.80	444.00	11.90	405.00	12.80	347.00	12.30
410.00	11.70	338.00	12.30	442.00	10.90	387.00	12.60	559.00	4.30	483.00	9.30	468.00	10.30	399.00	12.60
460.00	9.00	384.00	12.40	486.00	11.20	429.00	12.70	612.00	2.40	534.00	6.70	504.00	8.50	428.00	12.90
510.00	9.80	429.00	11.50	518.00	11.70	472.00	10.70	683.00	-.80	595.00	4.30	556.00	6.80	460.00	10.10
552.00	9.70	459.00	9.20	528.00	8.40	517.00	6.60			647.00	2.90	602.00	7.90	498.00	7.60
620.00	.50	507.00	9.70	562.00	4.30	567.00	4.50			710.00	2.10	617.00	6.80	548.00	4.60
659.00	-1.30	557.00	9.80	648.00	1.80	617.00	2.60			766.00	-1.10	644.00	6.00	600.00	2.20
		581.00	7.50	636.00	.50	667.00	1.40					672.00	5.40		
		620.00	7.30	688.00	-.20	687.00	.20					705.00	.60		
		647.00	5.40			715.00	-.80					742.00	-1.60		
		671.00	1.20												
		697.00	-2.40												

PROFILE 13

DATE	730408	DATE	730418	DATE	730916	DATE	731218
BHVY	106	BHVY	107	BHVY	108	BHVY	109
TIME	1200	TIME	1200	TIME	1200	TIME	1200
212.00	16.90	297.00	18.50	212.00	16.80	287.00	13.10
240.00	15.60	382.00	18.10	253.00	17.90	349.00	12.30
266.00	17.40	379.00	17.60	291.00	13.00	362.00	13.00
279.00	18.10	419.00	18.90	296.00	12.60	427.00	12.60
319.00	12.80	439.00	10.60	308.00	12.10	467.00	10.50
354.00	12.30	504.00	7.40	391.00	13.40	502.00	9.50
397.00	13.20	533.00	8.60	439.00	12.90	542.00	6.80
444.00	11.60	566.00	8.00	491.00	11.10	577.00	5.00
479.00	8.90	595.00	7.60	497.00	6.10	627.00	2.10
529.00	7.20	597.00	6.00	530.00	9.40	657.00	.90
580.00	6.20	615.00	2.80	564.00	10.00	699.00	-.40
631.00	4.30	639.00	-.70	571.00	9.00		
642.00	2.00	659.00	-1.40	591.00	9.00		
729.00	-.60			596.00	9.00		
784.00	-1.80			620.00	5.90		
				654.00	.80		
				663.00	-2.00		

PROFILE 14

DATE	720809	DATE	721003	DATE	721205	DATE	730103	DATE	730206	DATE	730213	DATE	730316	DATE	730324
BHVY	96	BHVY	98	BHVY	100	BHVY	101	BHVY	102	BHVY	103	BHVY	104	BHVY	105
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
222.00	20.80	230.00	23.60	272.00	13.30	266.00	13.50	270.00	12.80	282.00	12.50	270.00	13.40	261.00	12.60
229.00	23.50	249.00	23.70	295.00	12.20	296.00	12.50	321.00	11.00	309.00	12.40	292.00	11.90	323.00	11.10
248.00	23.50	254.00	21.20	345.00	10.10	333.00	10.70	366.00	10.80	344.00	10.60	355.00	12.20	384.00	12.70
255.00	21.70	276.00	12.90	384.00	12.00	366.00	11.10	406.00	13.30	402.00	11.20	327.00	8.90	402.00	13.30
277.00	12.60	309.00	11.80	427.00	11.30	414.00	11.40	448.00	11.10	448.00	11.30	367.00	11.20	456.00	11.40
328.00	12.20	354.00	10.50	465.00	11.80	454.00	11.20	385.00	10.60	514.00	10.00	402.00	13.50	472.00	11.10
345.00	9.50	393.00	11.40	510.00	10.70	494.00	11.00	559.00	7.90	562.00	6.10	430.00	11.90	511.00	10.20
383.00	11.70	427.00	10.50	560.00	6.20	543.00	7.10	608.00	5.80	611.00	3.20	470.00	11.20	567.00	6.40
427.00	10.50	484.00	10.20	597.00	4.10	598.00	4.00	643.00	3.50	672.00	1.50	511.00	10.40	605.00	3.80
479.00	10.20	527.00	10.60	627.00	3.30	633.00	2.50	684.00	0.00	743.00	.00	533.00	8.80	658.00	2.40
544.00	9.70	560.00	8.50	677.00	.70	660.00	3.20			818.00	-1.00	543.00	7.90		
579.00	7.60	595.00	6.70	687.00	.50	718.00	-.50					593.00	5.30		
632.00	8.50	599.00	7.70	717.00	-1.10							621.00	3.00		
748.00	-.10	608.00	5.40									648.00	1.80		
769.00	-2.90	641.00	3.10									693.00	.30		
		679.00	.80									732.00	-.80		
		749.00	-1.50												

PROFILE 13

DATE 730403		DATE 730619		DATE 730911		DATE 731219	
SHVY 106		SHVY 107		SHVY 108		SHVY 109	
TIME 1200		TIME 1200		TIME 1200		TIME 1200	
265.00	11.70	283.00	12.30	286.00	12.90	279.00	12.70
316.00	10.80	308.00	12.50	294.00	11.80	304.00	12.20
355.00	10.30	369.00	10.60	307.00	12.70	348.00	10.30
402.00	13.30	394.00	13.20	327.00	11.20	387.00	12.90
429.00	11.00	431.00	11.70	349.00	9.90	439.00	12.20
485.00	10.90	477.00	10.70	360.00	11.20	478.00	11.70
524.00	9.70	528.00	9.30	386.00	11.40	509.00	10.60
574.00	5.20	552.00	8.30	402.00	13.40	536.00	6.70
627.00	3.10	589.00	8.90	434.00	11.30	569.00	6.60
685.00	1.70	636.00	8.00	442.00	10.70	606.00	5.50
719.00	.60	658.00	6.60	515.00	10.50	654.00	2.80
740.00	-1.00	686.00	3.70	525.00	6.70	694.00	-.40
		706.00	.40	539.00	7.20	712.00	-.90
		727.00	-.90	585.00	6.70		
				602.00	9.10		
				611.00	8.60		
				614.00	6.50		
				640.00	7.50		
				690.00	-1.10		

PROFILE 14

DATE 720804		DATE 721003		DATE 721205		DATE 730103		DATE 730206		DATE 730215		DATE 730316		DATE 730524	
SHVY 96		SHVY 99		SHVY 100		SHVY 101		SHVY 102		SHVY 103		SHVY 104		SHVY 105	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
177.00	13.10	218.00	21.20	248.00	13.70	266.00	10.20	267.00	11.40	278.00	12.30	276.00	13.40	279.00	12.70
215.00	21.20	229.00	23.20	292.00	12.00	290.00	11.60	308.00	11.60	304.00	12.30	287.00	11.90	300.00	12.20
229.00	23.00	248.00	22.50	315.00	11.60	306.00	12.20	332.00	8.50	334.00	8.70	303.00	12.30	318.00	10.40
241.00	23.00	253.00	20.00	328.00	8.80	337.00	8.60	343.00	10.70	378.00	10.90	328.00	8.70	334.00	8.50
265.00	19.20	263.00	14.00	348.00	9.40	373.00	10.60	418.00	11.50	418.00	11.50	350.00	10.70	365.00	10.40
300.00	12.00	292.00	11.60	379.00	11.00	418.00	11.50	447.00	11.70	444.00	11.50	388.00	11.50	384.00	11.20
315.00	8.30	306.00	12.10	416.00	11.30	463.00	11.30	521.00	10.40	501.00	8.60	417.00	11.40	418.00	11.40
363.00	10.40	334.00	8.00	446.00	11.10	508.00	11.20	563.00	8.90	552.00	6.50	454.00	11.50	447.00	11.40
418.00	10.60	368.00	10.00	516.00	11.40	550.00	7.50	615.00	8.60	603.00	1.60	483.00	10.60	485.00	10.40
465.00	10.40	418.00	10.90	570.00	11.20	593.00	5.00	666.00	2.80	663.00	.40	520.00	7.40	515.00	8.40
538.00	10.30	455.00	10.50	593.00	7.20	638.00	3.70	693.00	.80	708.00	-1.00	568.00	6.20	558.00	5.30
580.00	9.30	494.00	9.70	621.00	3.50	668.00	1.70	709.00	-.90			603.00	5.00	600.00	3.10
616.00	10.30	509.00	10.60	668.00	.20	714.00	-1.00					638.00	3.10	640.00	2.00
654.00	5.00	550.00	6.00	683.00	-.40							687.00	.80		
688.00	.70	560.00	7.90									718.00	-1.00		
710.00	-2.60	573.00	6.80												
		603.00	8.40												
		646.00	6.40												
		671.00	-1.70												

PROFILE 18

DATE 730403		DATE 730619		DATE 730911		DATE 731219	
SHVY 106		SHVY 107		SHVY 108		SHVY 109	
TIME 1200		TIME 1200		TIME 1200		TIME 1200	
278.00	12.50	277.00	18.50	291.00	11.50	283.00	14.60
301.00	12.80	308.00	12.80	304.00	12.10	296.00	11.70
330.00	8.80	339.00	9.00	326.00	8.60	308.00	12.20
363.00	10.80	372.00	11.10	348.00	10.80	333.00	8.60
416.00	9.60	429.00	11.20	406.00	12.10	361.00	10.60
453.00	9.30	463.00	11.10	448.00	11.20	418.00	12.00
465.00	10.50	488.00	10.80	467.00	9.70	478.00	11.20
530.00	8.10	538.00	8.10	528.00	7.80	520.00	11.40
573.00	5.90	563.00	5.60	580.00	8.60	558.00	11.30
618.00	3.90	614.00	3.40	583.00	10.30	582.00	9.30
683.00	2.10	665.00	1.70	598.00	8.30	618.00	6.70
736.00	1.10	741.00	.60	628.00	7.50	653.00	6.30
768.00	-.50	788.00	-.60	656.00	8.40	688.00	3.40
				658.00	6.70	726.00	-.50
				671.00	2.20	750.00	-1.00
				700.00	-1.00		

PROFILE 15

DATE 720609		DATE 721005		DATE 721205		DATE 730103		DATE 730206		DATE 730213		DATE 730316		DATE 730324	
BHVY 96		BHVY 99		BHVY 100		BHVY 101		BHVY 102		BHVY 103		BHVY 104		BHVY 105	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
199.00	19.20	238.00	21.60	278.00	15.50	289.00	13.10	293.00	13.10	300.00	13.20	291.00	13.70	288.00	13.50
235.00	21.00	287.00	21.20	311.00	12.90	319.00	12.10	320.00	11.80	327.00	11.60	310.00	12.90	311.00	12.60
280.00	21.20	281.00	21.50	330.00	10.60	341.00	10.20	369.00	11.20	369.00	11.10	334.00	10.50	329.00	11.00
288.00	13.90	266.00	18.90	349.00	11.20	369.00	11.00	395.00	12.40	392.00	12.20	349.00	11.20	352.00	10.30
310.00	17.70	292.00	13.20	398.00	12.40	417.00	11.00	439.00	11.10	400.00	11.00	393.00	13.40	379.00	11.50
346.00	17.00	309.00	14.50	408.00	11.50	467.00	10.30	483.00	10.90	480.00	10.70	427.00	11.00	390.00	12.70
349.00	11.00	369.00	12.90	471.00	11.10	514.00	10.50	541.00	11.30	528.00	11.10	471.00	10.00	427.00	11.00
415.00	11.10	401.00	11.30	525.00	10.70	574.00	11.40	584.00	11.10	589.00	10.80	500.00	10.80	461.00	10.90
475.00	10.20	445.00	11.25	559.00	11.70	609.00	7.90	632.00	6.10	634.00	7.80	535.00	11.10	497.00	11.10
515.00	9.50	492.00	9.45	600.00	11.80	639.00	7.80	681.00	2.30	665.00	3.80	595.00	10.70	540.00	11.40
565.00	9.00	501.00	9.75	637.00	6.80	680.00	3.60	710.00	-.50	700.00	2.40	617.00	9.00	582.00	8.00
605.00	9.30	603.00	9.50	669.00	3.70	729.00	.20			802.00	.80	653.00	8.60	616.00	5.70
645.00	3.50	618.00	9.40	721.00	1.20	759.00	-1.80			828.00	-.90	685.00	6.40	663.00	4.30
665.00	-.10	619.00	8.75	739.00	-.30							727.00	2.90	722.00	2.20
675.00	-.60	829.00	7.80	761.00	-.30							760.00	.70		
		876.00	7.40									784.00	-.90		
		717.00	3.10												
		747.00	-1.40												

PROFILE 15

DATE 730403		DATE 730612		DATE 730911		DATE 731219	
BHVY 106		BHVY 107		BHVY 108		BHVY 109	
TIME 1200		TIME 1200		TIME 1200		TIME 1200	
291.00	13.10	294.00	13.60	297.00	13.70	267.00	14.20
316.00	12.30	305.00	12.90	317.00	12.70	359.00	13.20
343.00	10.60	345.00	10.70	341.00	10.80	334.00	10.90
369.00	11.30	387.00	12.60	369.00	11.30	369.00	11.30
456.00	9.70	434.00	10.80	349.00	12.80	392.00	12.80
449.00	10.90	482.00	10.80	417.00	11.10	417.00	11.00
496.00	11.00	500.00	10.60	442.00	10.90	469.00	10.90
551.00	11.10	580.00	8.90	555.00	10.90	517.00	11.00
589.00	8.30	632.00	10.10	584.00	10.70	559.00	11.10
631.00	6.40	639.00	10.20	579.00	9.20	595.00	11.10
673.00	4.90	644.00	5.00	605.00	10.00	629.00	10.40
743.00	2.20	665.00	2.90	638.00	10.20	659.00	7.40
781.00	.00	674.00	-.40	695.00	6.70	709.00	5.40
799.00	-1.00	684.00	-.30	685.00	2.30	712.00	2.60
				693.00	-1.30	769.00	-.40
						787.00	-.80

PROFILE 16

DATE 720609		DATE 721001		DATE 721205		DATE 730103		DATE 730206		DATE 730213		DATE 730316		DATE 730324	
BHVY 98		BHVY 99		BHVY 100		BHVY 101		BHVY 102		BHVY 103		BHVY 104		BHVY 105	
TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200		TIME 1200	
203.00	12.50	199.00	18.20	273.00	15.40	308.00	11.30	327.00	11.50	299.00	11.80	295.00	10.50	297.00	11.70
271.00	16.70	229.00	17.20	309.00	10.50	333.00	10.50	364.00	10.10	317.00	10.40	319.00	10.30	316.00	10.20
259.00	19.80	255.00	19.19	339.00	11.40	349.00	11.20	400.00	10.10	341.00	11.70	340.00	11.50	345.00	11.20
300.00	11.60	265.00	10.20	382.00	9.90	366.00	9.90	436.00	10.30	384.00	10.10	344.00	10.20	365.00	9.90
390.00	11.10	334.00	10.80	439.00	10.50	399.00	10.00	484.00	10.20	439.00	10.10	399.00	10.00	407.00	10.10
388.00	10.20	334.00	11.00	491.00	9.70	435.00	10.30	527.00	9.30	485.00	10.20	439.00	10.20	438.00	10.30
440.00	9.40	395.00	10.30	533.00	8.60	487.00	10.00	571.00	8.20	527.00	9.30	446.00	9.90	489.00	10.30
497.00	8.50	439.00	9.90	560.00	8.40	536.00	9.20	630.00	6.50	575.00	8.90	527.00	9.20	493.00	10.30
542.00	6.70	487.00	8.40	618.00	4.90	576.00	8.50	682.00	1.60	632.00	8.80	579.00	7.20	534.00	8.70
594.00	6.10	546.00	7.50	668.00	3.20	618.00	5.10	722.00	-.10	684.00	1.80	617.00	4.90	579.50	6.30
657.00	4.10	589.00	7.60	671.00	2.40	665.00	1.90	742.00	-1.20	749.50	0.00	660.00	2.60	631.00	3.60
677.00	.60	635.00	6.50	703.00	2.40	694.00	.60			780.00	-.90	702.00	1.90	691.00	1.30
701.00	-1.00	633.00	4.80	740.00	.80	728.00	-.10					735.00	-.40		
		662.00	1.50	755.00	-.20	738.00	-.60					747.00	-1.50		
		695.00	.10												
		718.00	-1.00												

PROFILE 16

DATE 730903 SHVY 106 TIME 1200		DATE 730907 SHVY 107 TIME 1200		DATE 730911 SHVY 108 TIME 1200		DATE 731219 SHVY 109 TIME 1200	
308.00	10.80	309.00	10.90	291.00	12.80	285.00	12.80
344.00	11.30	347.00	11.60	337.00	11.50	315.00	10.30
394.00	10.80	393.00	10.50	390.00	11.50	350.00	11.30
458.00	10.30	444.00	9.70	370.00	9.80	385.00	10.10
488.00	9.40	477.50	9.10	438.00	10.30	434.00	10.50
516.00	8.50	491.00	8.80	487.00	10.00	486.00	9.50
561.00	7.40	509.00	8.30	524.00	8.80	536.00	9.40
616.00	5.30	523.00	8.00	539.00	7.80	563.00	8.80
675.00	3.40	541.00	7.90	597.00	9.70	634.00	5.80
725.00	1.80	564.00	7.20	608.00	8.20	674.00	3.50
756.00	-.00	633.00	6.50	805.00	7.70	723.00	2.00
774.00	-1.80	683.00	3.60	670.00	8.40	746.00	1.20
		735.50	.90	700.00	6.60	769.00	.40
		779.00	-.10	748.00	2.20	790.00	0.00
		788.00	-1.00	767.00	0.00		
				779.00	-1.10		

PROFILE 17

DATE 720609 SHVY 98 TIME 1200		DATE 721203 SHVY 99 TIME 1200		DATE 721205 SHVY 100 TIME 1200		DATE 730103 SHVY 101 TIME 1200		DATE 730206 SHVY 102 TIME 1200		DATE 730213 SHVY 103 TIME 1200		DATE 730318 SHVY 104 TIME 1200		DATE 730324 SHVY 105 TIME 1200	
218.00	15.90	253.00	21.40	297.00	15.00	308.00	12.50	308.00	12.50	306.00	12.90	390.00	10.80	302.00	13.40
240.00	18.00	285.00	22.35	308.00	12.30	336.00	11.50	345.00	12.20	338.00	11.90	420.00	12.40	321.00	11.60
253.00	21.90	277.00	20.90	308.00	11.90	366.00	11.70	396.00	10.80	396.00	10.80	471.00	11.50	348.00	12.60
270.00	22.40	285.00	19.10	390.00	10.50	396.00	10.50	430.00	10.70	433.00	10.60	446.00	12.70	371.00	11.60
293.00	20.60	299.00	13.40	434.00	10.40	437.00	10.40	482.00	9.90	508.00	8.90	535.00	10.70	396.00	11.00
308.00	12.60	320.00	11.50	478.00	9.80	488.00	9.70	530.00	8.40	558.00	6.80	588.00	9.60	466.00	10.40
349.00	11.70	350.00	11.00	526.00	9.30	546.00	9.00	581.00	6.90	617.00	3.60	624.00	8.40	499.00	8.80
396.00	10.20	398.00	10.20	569.00	7.00	605.00	5.00	632.00	5.70	661.00	1.10	658.00	7.10	536.00	6.50
444.00	9.60	431.00	10.40	623.00	3.70	656.00	2.30	687.00	2.10	737.00	-.50	693.00	5.00	607.00	4.20
527.00	6.90	468.00	9.40	645.00	1.80	700.00	.80	732.00	.60	768.00	-1.90	730.00	3.00	672.00	2.20
573.00	8.80	513.00	8.70	714.00	1.10	741.00	-.30	762.00	-1.30			765.00	1.40	702.00	1.20
649.00	5.90	547.00	9.00	744.00	.40	759.00	-.70					794.00	.40		
684.00	1.10	559.00	8.40	774.00	.10							817.00	-.60		
691.00	-.40	567.00	5.80	763.00	-.20							800.00	-1.30		
		596.00	4.60												
		619.00	2.60												
		637.00	-.60												

PROFILE 17

DATE 730903 SHVY 106 TIME 1200		DATE 730907 SHVY 107 TIME 1200		DATE 730911 SHVY 108 TIME 1200		DATE 731219 SHVY 109 TIME 1200	
308.00	12.90	323.00	11.90	370.00	12.40	308.00	12.50
352.00	12.30	352.00	13.20	373.00	11.40	336.00	11.50
396.00	11.00	396.00	10.70	391.00	12.80	366.00	12.70
435.00	10.70	438.00	10.40	380.00	11.50	396.00	10.80
485.00	9.10	497.00	8.90	396.00	10.90	436.00	11.20
548.00	7.20	560.00	7.80	431.00	10.50	664.00	10.10
603.00	4.40	592.00	7.80	475.00	9.70	516.00	10.20
642.00	3.00	608.00	5.70	525.00	8.30	576.00	10.70
697.00	2.00	678.00	7.70	580.00	10.30	606.00	8.70
735.00	.40	694.00	7.20	542.00	9.30	646.00	5.90
765.00	-.90	719.00	4.80	646.00	8.50	700.00	3.10
781.00	-1.40	756.00	1.60	697.00	7.50	726.00	2.30
		769.00	-.10	688.00	5.90	749.00	1.10
		781.00	-1.10	733.00	2.00	766.00	.00
				745.00	.60	782.00	-.20
				749.00	-.70		

PROFILE 18

DATE 720809		DATE 721203		DATE 721205		DATE 730103		DATE 730206		DATE 730213		DATE 730316		DATE 730324	
BRYY	98	BRYY	99	BRYY	100	BRYY	101	BRYY	102	BRYY	103	BRYY	104	BRYY	105
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
232.00	19.80	257.00	22.70	319.00	18.80	320.00	16.20	348.00	12.60	320.00	16.00	385.00	12.10	321.00	15.50
266.00	21.40	284.00	24.50	324.00	14.40	337.00	15.20	398.00	12.30	339.00	13.10	475.00	13.50	346.00	12.70
297.00	22.70	295.00	22.20	349.00	12.50	369.00	12.40	429.00	13.40	368.00	12.50	455.00	11.70	367.00	13.00
287.00	24.10	305.00	20.90	348.00	12.10	395.00	12.00	458.00	11.40	383.00	12.30	480.00	10.40	384.00	12.50
298.00	21.90	323.00	13.80	397.00	12.00	420.00	13.40	503.00	10.00	426.00	13.40	530.00	9.20	419.00	13.60
326.00	14.60	342.00	12.50	426.00	13.00	450.00	11.60	553.00	7.70	460.00	11.70	557.00	7.80	438.00	12.40
344.00	12.50	368.00	11.90	441.00	12.10	510.00	10.60	610.00	8.20	495.00	10.20	590.00	5.10	471.00	11.20
439.00	11.90	399.00	11.30	470.00	10.30	563.00	7.40	663.00	3.50	533.00	7.10	630.00	5.90	501.00	9.10
492.00	10.70	427.00	12.50	514.00	10.00	615.00	4.60	711.00	.50	591.00	3.20	652.00	1.90	555.00	1.40
544.00	8.10	484.00	10.90	550.00	10.10	675.00	2.70	755.00	-1.50	648.00	1.40	677.00	.30	595.00	.70
589.00	9.40	504.00	10.40	591.00	6.00	710.00	.20			682.00	-.70	701.00	.70		
629.00	5.20	526.00	8.70	617.00	3.10	762.00	-1.00			693.00	-1.10				
651.00	2.00	546.00	8.40	648.00	1.10										
672.00	.90	552.00	8.40	690.00	0.00										
688.00	-.60	557.00	6.90	709.00	-.50										
		582.00	7.70												
		614.00	4.30												
		645.00	-.80												

PROFILE 19

DATE 730405		DATE 730612		DATE 730911		DATE 731219	
BRYY	106	BRYY	107	BRYY	108	BRYY	109
TIME	1200	TIME	1200	TIME	1200	TIME	1200
337.00	15.50	375.00	11.30	329.00	14.70	321.00	15.30
368.00	13.10	424.00	10.30	343.00	13.60	346.00	12.90
398.00	12.50	452.00	12.00	368.00	12.90	368.00	13.10
425.00	13.50	484.00	9.70	391.00	12.40	394.00	12.40
465.00	11.60	534.00	6.80	419.00	13.70	422.00	14.30
493.00	8.70	564.00	5.80	441.00	11.90	444.00	12.10
543.00	5.50	621.00	7.20	481.00	9.80	486.00	11.60
602.00	3.40	658.00	6.80	519.00	8.10	516.00	11.50
650.00	1.70	675.00	4.60	556.00	9.40	548.00	11.30
685.00	.50	695.00	1.20	598.00	10.70	573.00	8.70
713.00	-.40	713.00	-1.40	606.00	9.80	616.00	6.20
740.00	-1.90			651.00	8.00	661.00	3.60
				692.00	5.30	681.00	2.70
				697.00	2.10	700.00	1.60
				704.00	.20	721.00	-.10
				736.00	-2.00		

PROFILE 19

DATE 720809		DATE 721203		DATE 721205		DATE 730103		DATE 730206		DATE 730213		DATE 730316		DATE 730324	
BRYY	98	BRYY	99	BRYY	100	BRYY	101	BRYY	102	BRYY	103	BRYY	104	BRYY	105
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
253.00	18.80	278.00	29.40	310.00	19.00	326.00	14.10	324.00	14.20	326.00	14.10	326.00	15.90	326.00	14.10
232.00	17.40	289.00	28.30	313.00	16.50	342.00	12.40	362.00	11.60	340.00	12.00	341.00	12.60	340.00	12.40
258.00	20.80	309.00	16.50	328.00	14.20	375.00	11.40	392.00	12.00	344.00	12.80	383.00	12.70	366.00	11.70
270.00	29.40	326.00	14.10	341.00	12.60	393.00	12.60	404.00	10.50	368.00	11.40	401.00	10.80	391.00	12.80
240.00	27.60	358.00	12.00	373.00	11.40	406.00	10.40	432.00	13.10	388.00	12.70	421.00	13.50	404.00	11.20
337.00	18.50	393.00	12.10	393.00	12.40	436.00	13.80	463.00	11.20	404.00	10.70	436.00	13.70	429.00	13.40
376.00	14.20	408.00	10.40	403.00	10.40	464.00	11.00	534.00	11.20	431.00	13.80	455.00	11.80	440.00	11.40
356.00	12.10	433.00	12.50	424.00	13.30	517.00	11.00	576.00	10.60	464.00	11.30	497.00	11.20	462.00	11.50
389.00	12.00	455.00	11.20	442.00	13.30	558.00	11.10	608.00	8.70	514.00	11.30	546.00	11.50	492.00	11.40
406.00	10.40	484.00	11.00	459.00	11.10	609.00	6.80	631.00	6.20	573.00	11.20	596.00	9.00	523.00	12.00
430.00	12.80	524.00	11.20	508.00	11.10	664.00	7.20	682.00	5.60	625.00	7.60	636.00	8.50	549.00	12.10
496.00	10.90	564.00	10.70	509.00	11.30	716.00	3.00	724.00	.20	672.00	5.70	670.00	7.00	582.00	8.50
508.00	11.00	619.00	10.20	590.00	10.90	748.00	0.00	759.00	-2.00	720.00	2.00	696.00	.50	629.00	3.40
566.00	10.80	658.00	7.30	618.00	7.50	772.00	1.40			768.00	0.00	713.00	-.40	643.00	1.00
618.00	10.60	701.00	7.70	642.00	4.50					783.00	-1.00	734.00	-1.00		
651.00	9.00	726.00	4.20	673.00	2.50										
688.00	1.00	746.00	.10	728.00	.50										
718.00	-1.50	760.00	-.40	783.00	-.30										

PROFILE 19

DATE	730403	DATE	730612	DATE	730911	DATE	731219
BRVY	106	BRVY	107	BRVY	108	BRVY	109
TIME	1200	TIME	1200	TIME	1200	TIME	1200
326.00	14.10	568.00	11.50	326.00	14.40	324.00	14.00
348.00	12.80	591.00	12.00	342.00	12.40	341.00	12.30
373.00	11.40	623.00	11.20	370.00	11.30	371.00	11.00
393.00	13.00	621.00	13.00	388.00	13.00	393.00	13.10
403.00	11.40	665.00	11.20	400.00	11.20	408.00	11.20
416.00	11.50	515.00	11.50	431.00	13.40	443.00	13.30
441.00	13.10	556.00	11.10	440.00	11.40	463.00	12.70
456.00	11.50	595.00	8.60	510.00	11.20	505.00	11.70
499.00	11.60	645.50	8.80	550.00	13.40	543.00	12.10
508.00	12.20	665.00	9.60	572.00	10.90	579.00	12.10
573.00	10.50	680.00	1.20	612.00	10.10	608.00	9.00
615.00	7.40	693.00	-1.10	644.00	9.50	639.00	6.50
655.00	4.50			649.00	6.20	683.00	2.50
706.00	1.40			688.00	1.30	705.00	1.30
750.00	-1.50			712.00	-.70	730.00	.40
						746.00	-.10

PROFILE 20

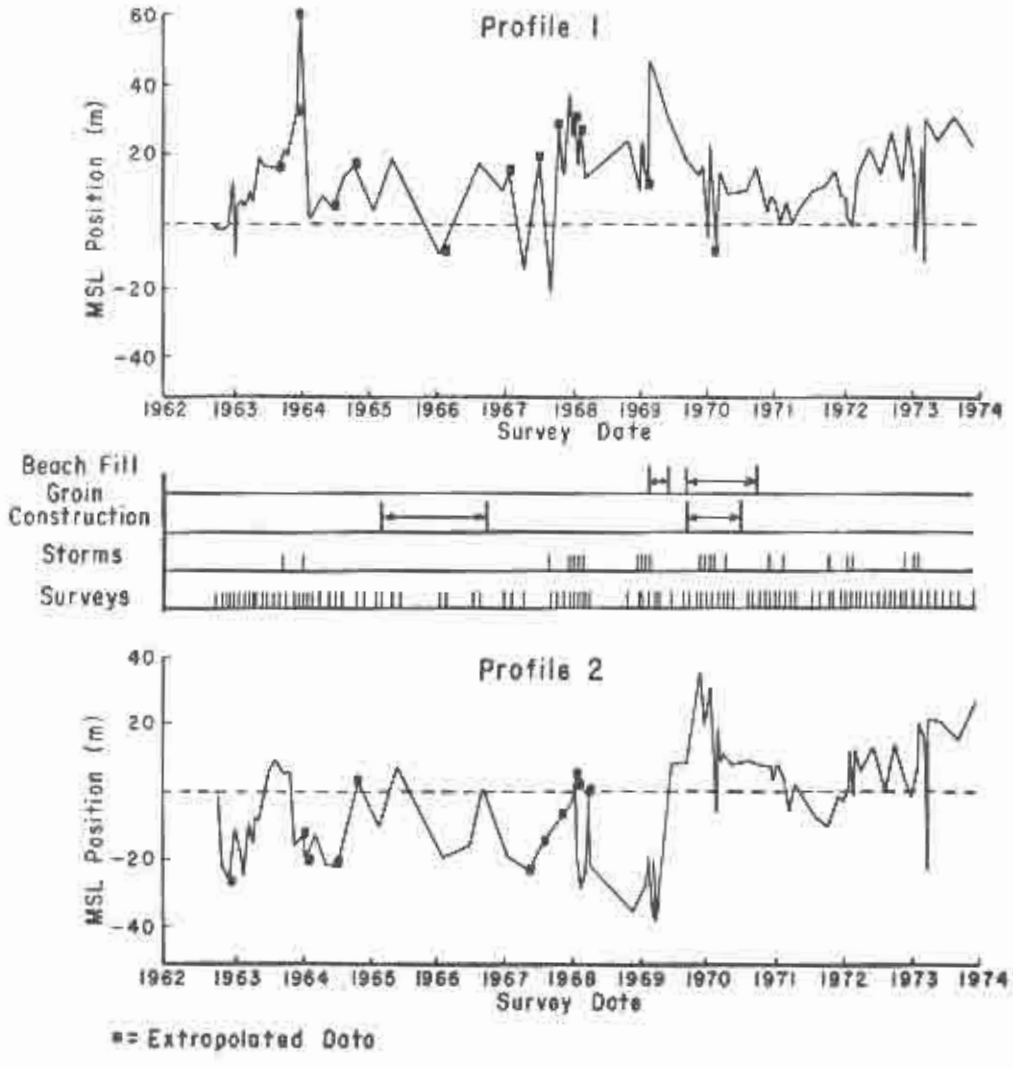
DATE	720809	DATE	721603	DATE	721405	DATE	730103	DATE	730206	DATE	730213	DATE	730316	DATE	730528
BRVY	98	BRVY	99	BRVY	100	BRVY	101	BRVY	102	BRVY	103	BRVY	104	BRVY	105
TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200	TIME	1200
212.00	21.20	235.00	26.00	301.00	20.30	324.00	15.50	329.00	15.40	326.00	15.60	326.00	14.30	326.00	15.50
242.00	18.50	255.00	23.50	326.00	15.40	363.00	11.50	374.00	11.80	366.00	11.60	364.00	11.00	344.00	13.20
270.00	24.60	300.00	20.20	347.00	11.20	398.00	9.90	431.00	10.20	420.00	10.00	418.00	9.50	343.00	11.50
277.00	26.20	326.00	15.50	411.00	9.50	451.00	10.20	461.00	10.90	490.00	10.90	468.00	13.50	366.00	10.80
300.00	20.10	360.00	11.70	454.00	10.30	513.00	10.70	537.00	11.00	550.00	11.10	566.00	10.70	421.00	9.80
326.00	15.90	400.00	9.70	497.00	10.80	583.00	10.40	574.00	10.50	598.00	10.90	568.00	10.70	445.00	10.20
369.00	11.00	454.00	10.10	543.00	10.00	623.00	6.00	637.00	8.30	650.00	8.30	613.00	10.10	531.00	11.10
421.00	9.60	501.00	10.60	581.00	10.90	673.00	7.10	708.00	7.50	695.00	7.60	656.00	8.70	556.00	11.10
476.00	10.50	568.00	10.60	615.00	10.70	721.00	3.40	736.00	.80	743.00	1.90	693.00	7.10	600.00	8.20
531.00	10.50	618.00	10.30	653.00	9.40	751.00	.40	755.00	-.30	806.00	-1.20	723.00	2.00	638.00	5.40
586.00	10.00	671.00	7.60	676.00	3.20	767.00	-1.30					745.00	1.10	685.00	2.60
626.00	10.00	713.00	7.90	700.00	2.00							785.00	-.90		
656.00	5.00	741.00	4.80	719.00	1.10										
676.00	3.00	773.00	.50	737.00	.10										
716.00	1.00	795.00	-.60	753.00	-.40										
736.00	-.40	807.00	-.60												

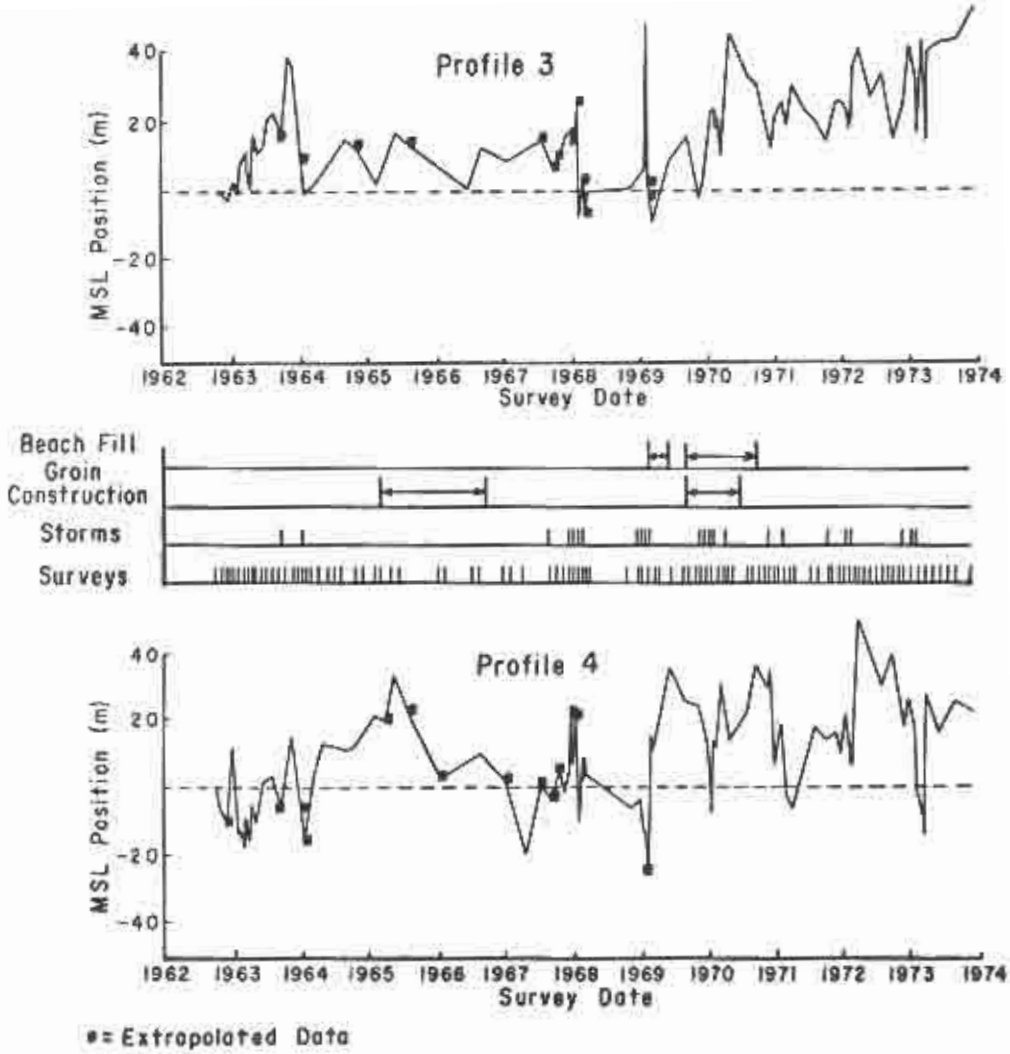
PROFILE 20

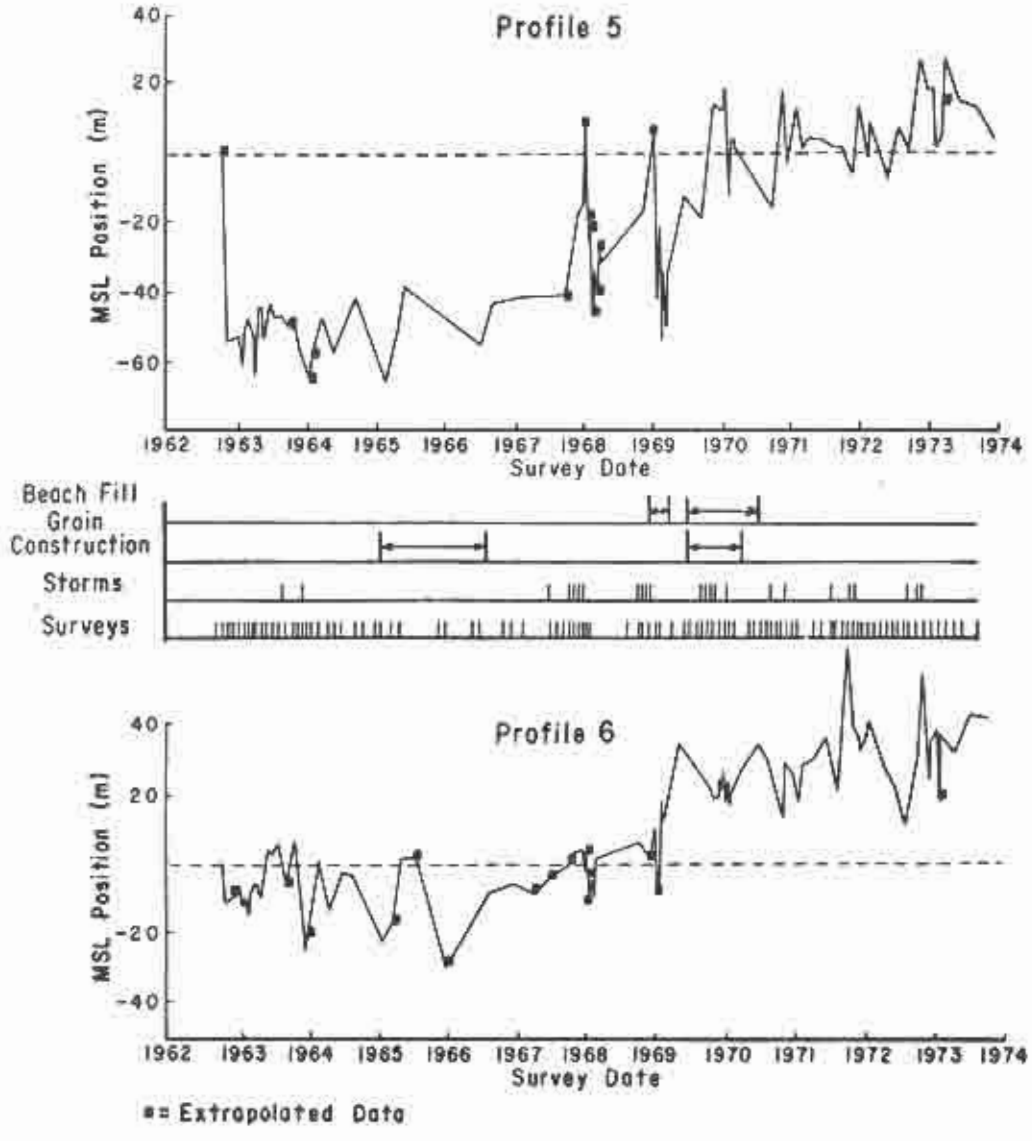
DATE	730403	DATE	730612	DATE	730911	DATE	731219
BRVY	106	BRVY	107	BRVY	108	BRVY	109
TIME	1200	TIME	1200	TIME	1200	TIME	1200
326.00	15.00	394.00	10.60	360.00	11.70	324.00	15.40
344.00	11.40	449.00	10.00	401.00	9.80	354.00	11.80
404.00	9.90	486.00	10.60	453.00	10.00	378.00	11.10
448.00	10.10	537.00	10.40	500.00	10.40	423.00	9.90
466.00	10.60	599.00	8.30	541.00	10.80	476.00	10.60
546.00	11.20	647.00	8.30	578.00	9.70	518.00	11.40
584.00	9.70	676.00	2.00	616.00	9.80	550.00	11.60
638.00	8.40	697.00	-.60	650.00	8.70	576.00	11.30
669.00	4.40			668.00	8.90	606.00	9.00
728.00	1.60			681.00	2.00	638.00	6.80
766.00	-.70			699.00	-.70	688.00	2.70
				712.00	-2.00	718.00	.80
						736.00	-.20

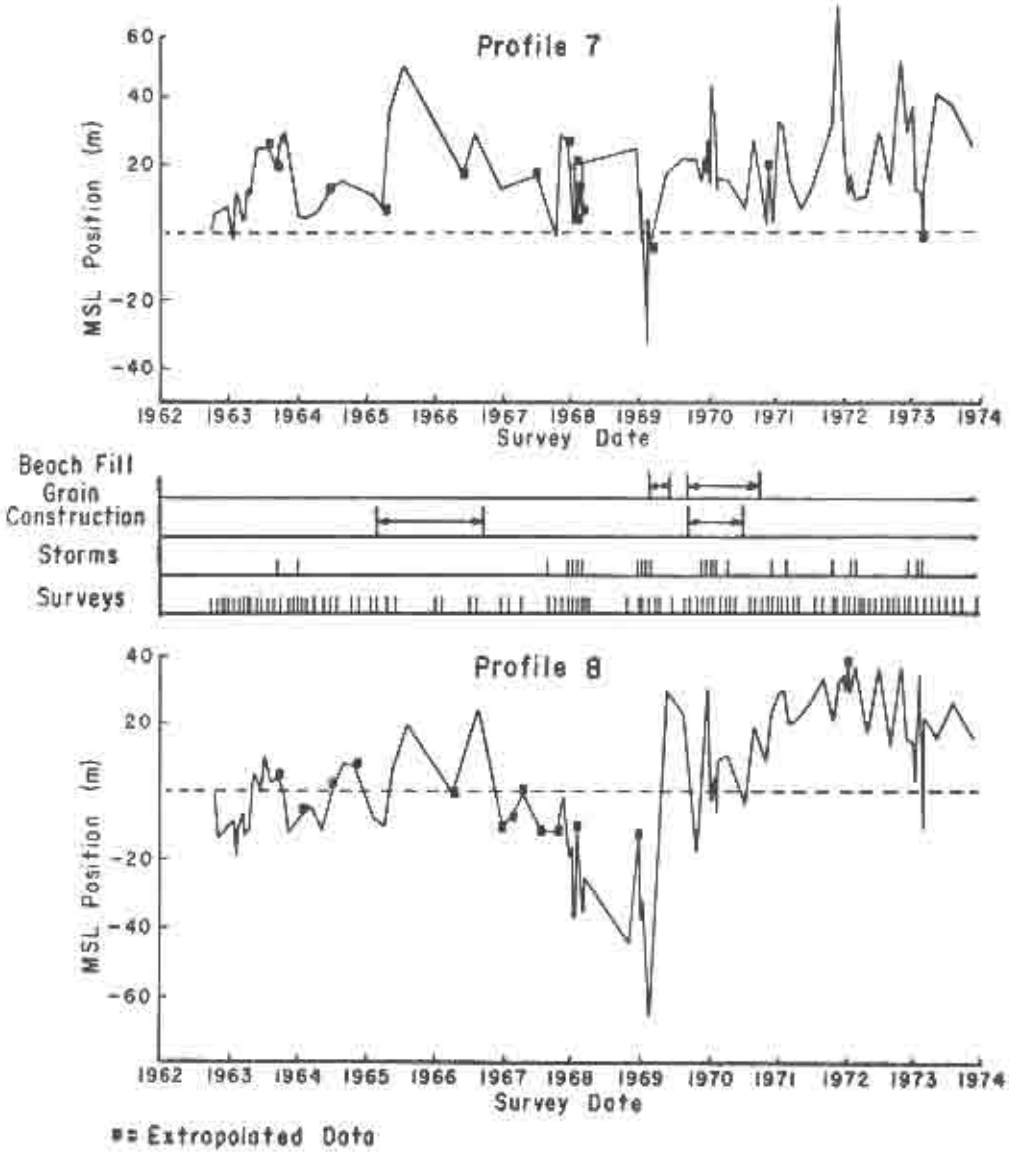
APPENDIX C

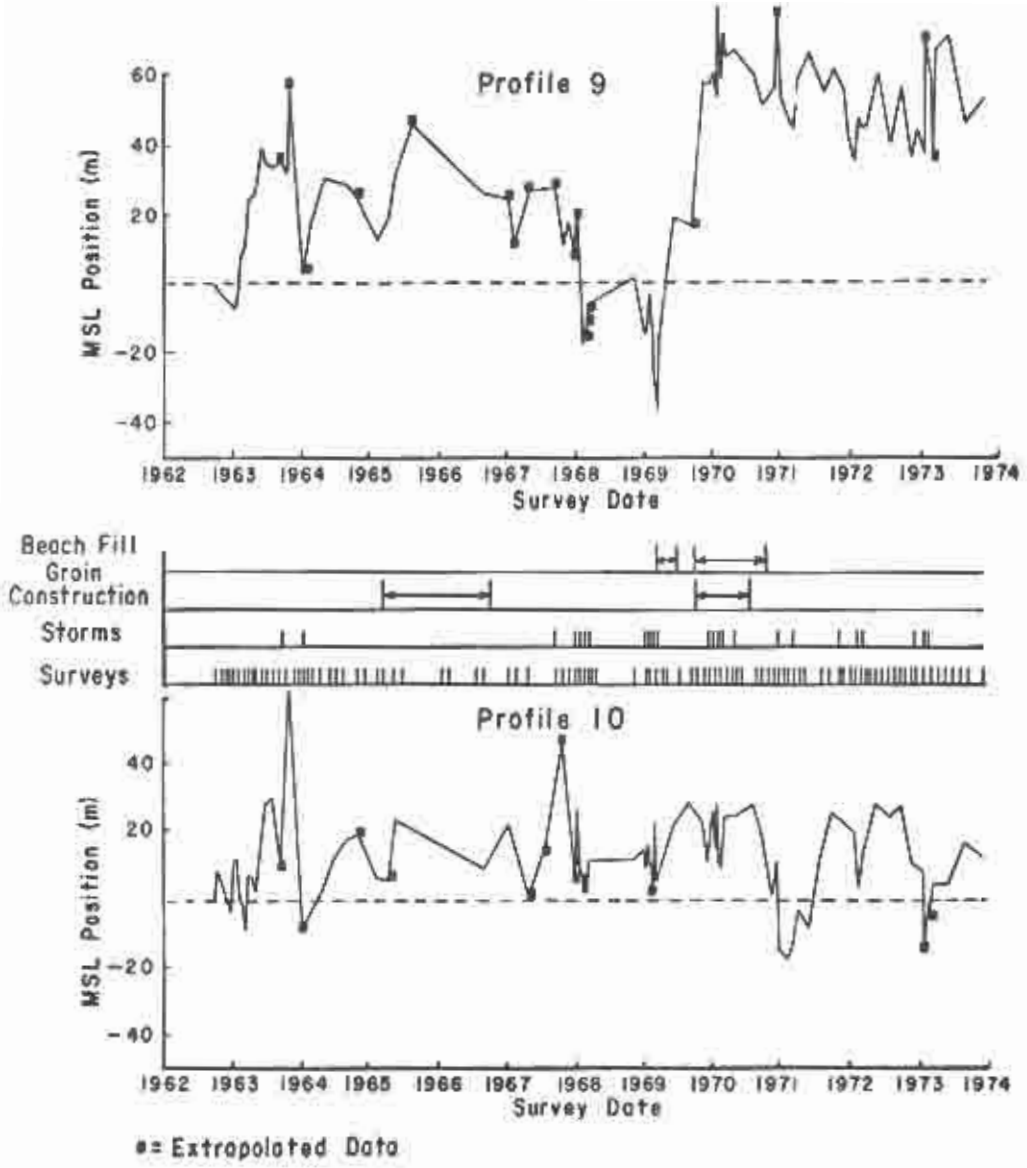
MSL SHORELINE CHANGES

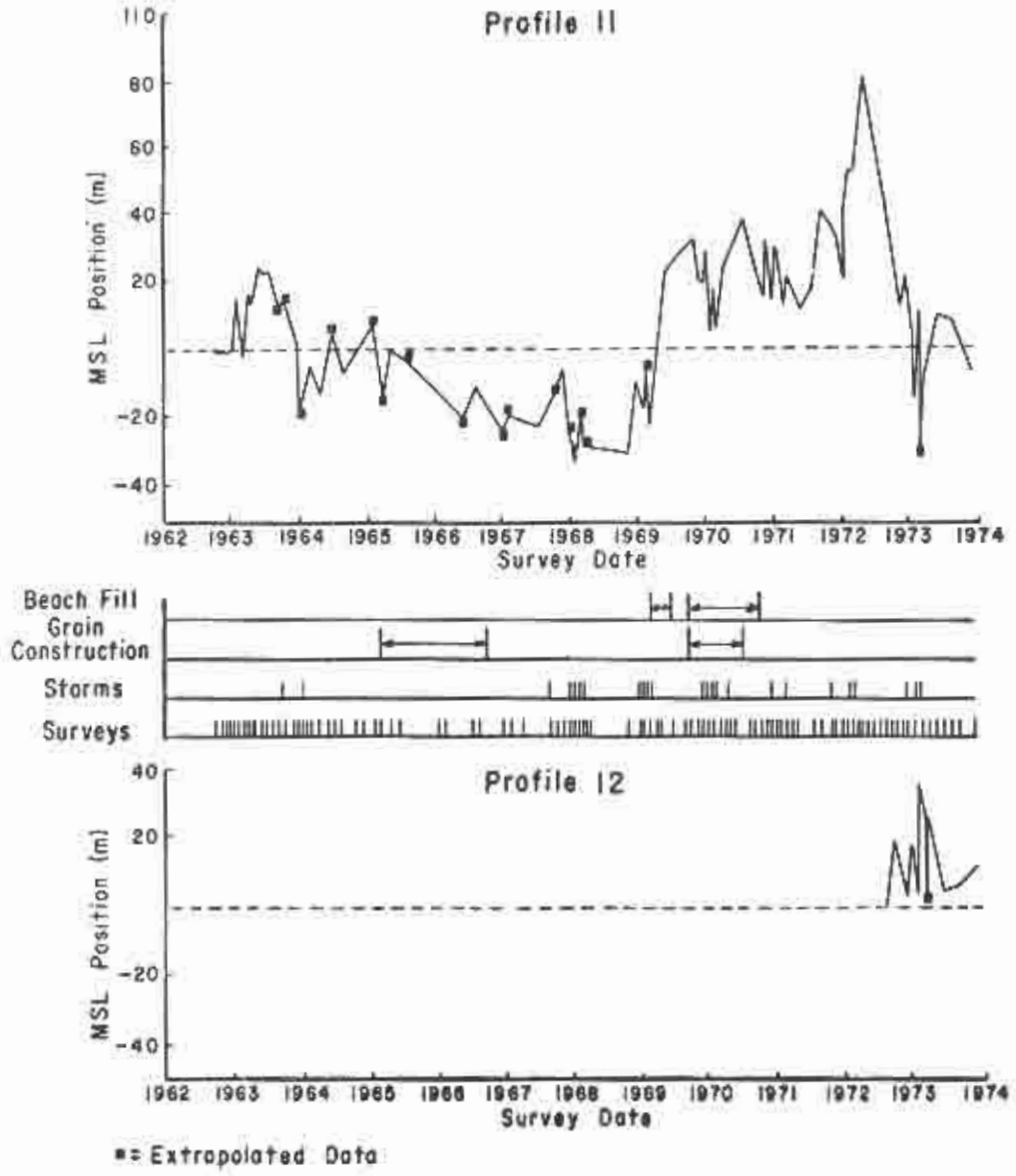

Profile 1
MSL Position (m)
60
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 2
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
*= Extrapolated Data


Profile 3
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 4
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
* = Extrapolated Data


Profile 5
MSL Position (m)
40
20
-20
-40
-60
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 6
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
= Extropolated Data


Profile 7
MSL Position (m)
60
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Grain
Construction
Storms
Surveys
Profile 8
MSL Position (m)
40
20
-20
-40
-60
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
= Extropolated Data


Profile 9
MSL Position (m)
60
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 10
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
*= Extrapolated Data


Profile 11
MSL Position (m)
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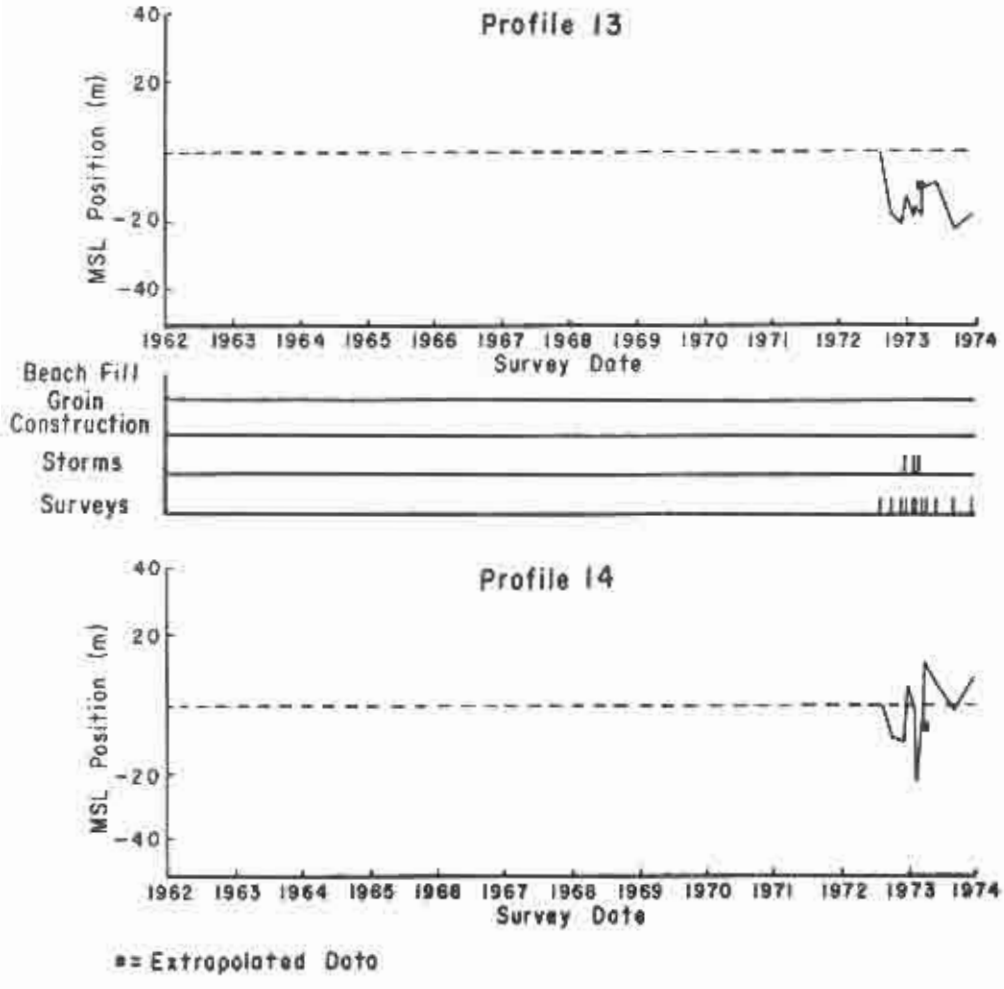
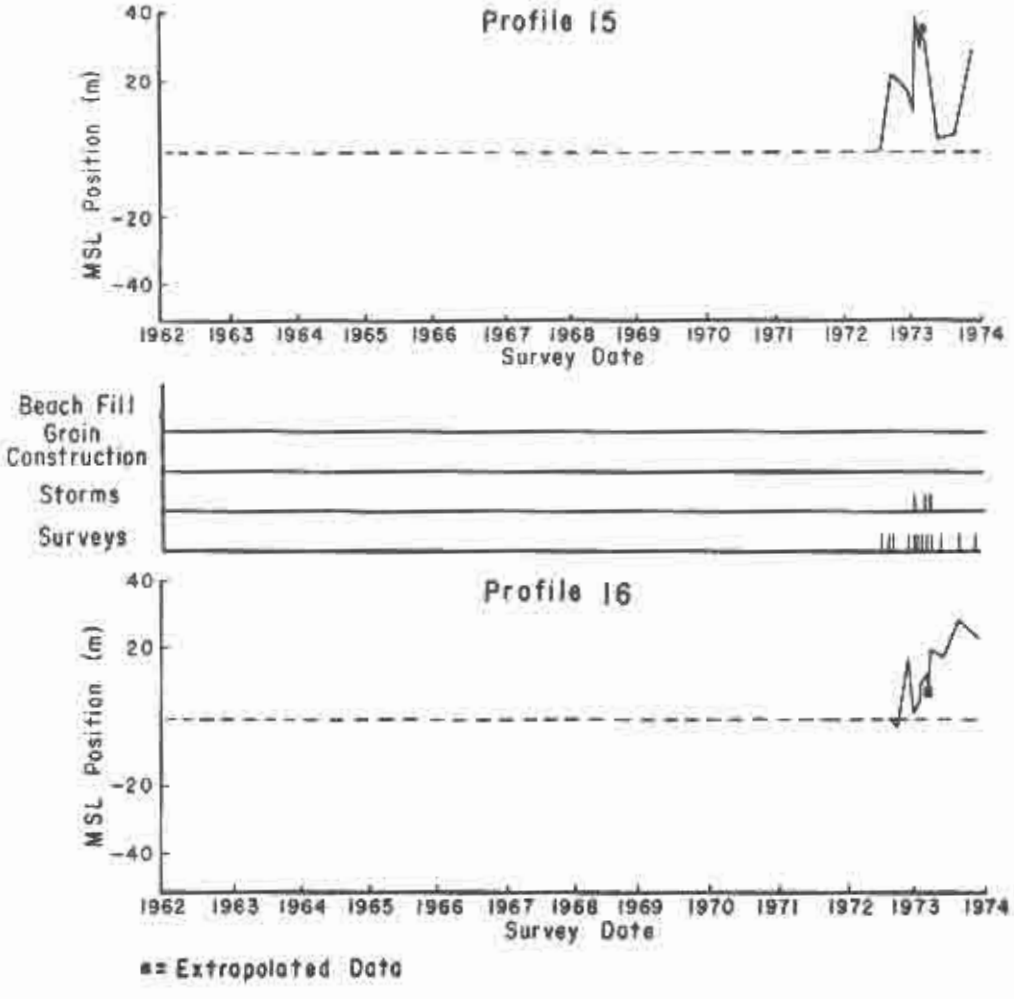
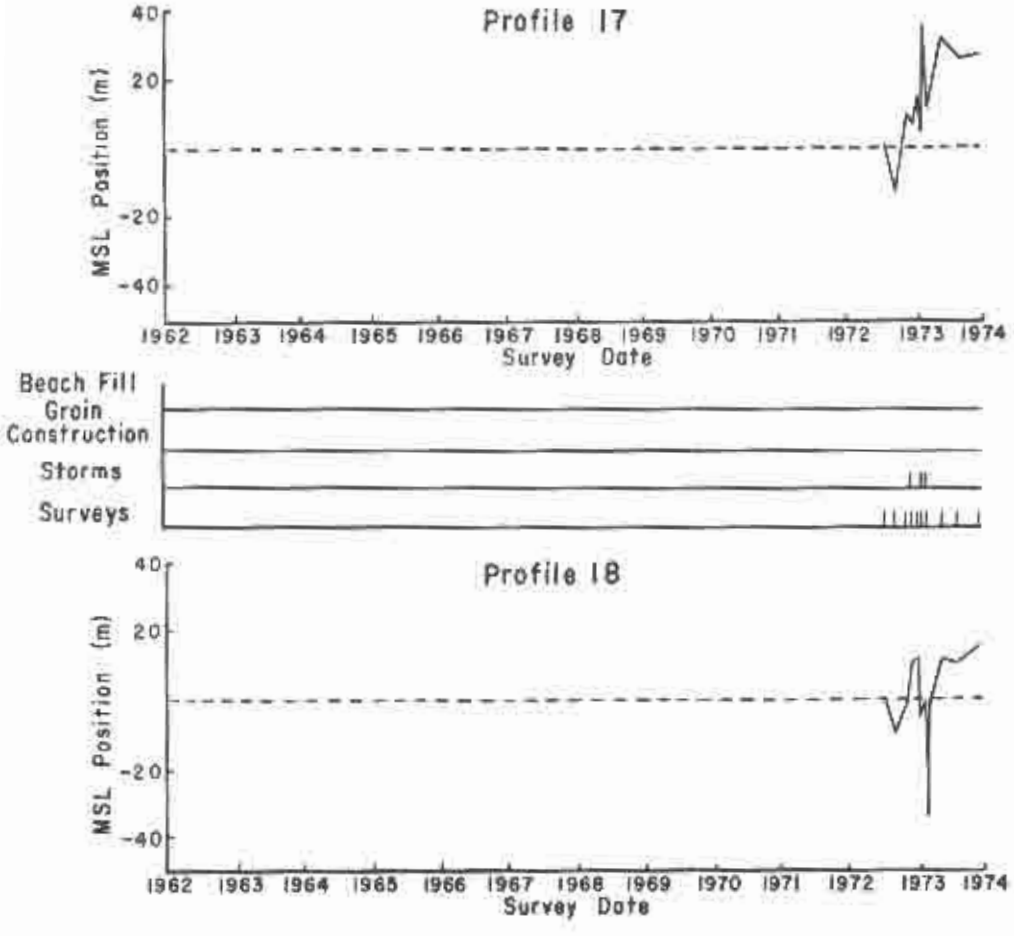
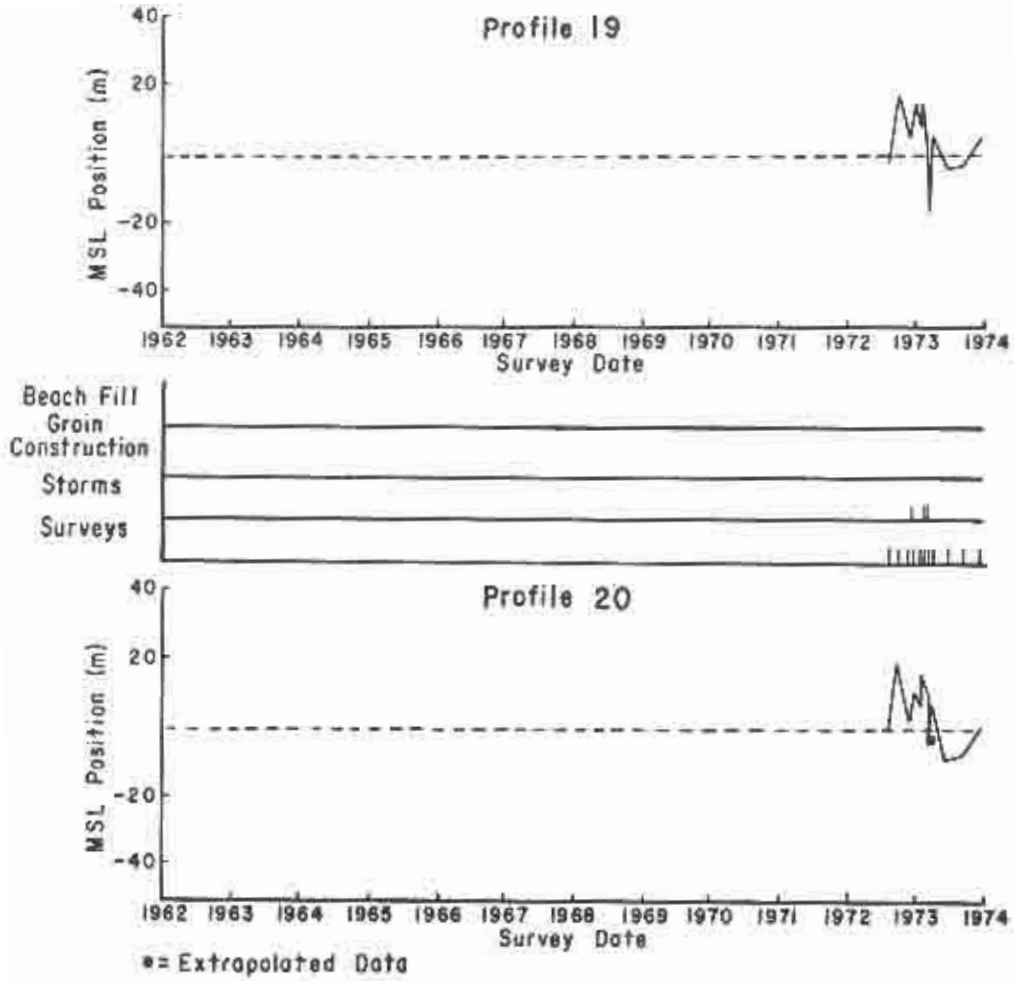
80
60
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Grain Construction
Storms
Surveys
Profile 12
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
■= Extrapolated Data


Profile 13
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 14
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
* = Extrapolated Data


Profile 15
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 16
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
* = Extrapolated Data


Profile 17
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 18
MSL Position (m)
40
20
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
* = Extrapolated Data


Profile 19
MSL Position (m)
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1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 20
MSL Position (m)
40
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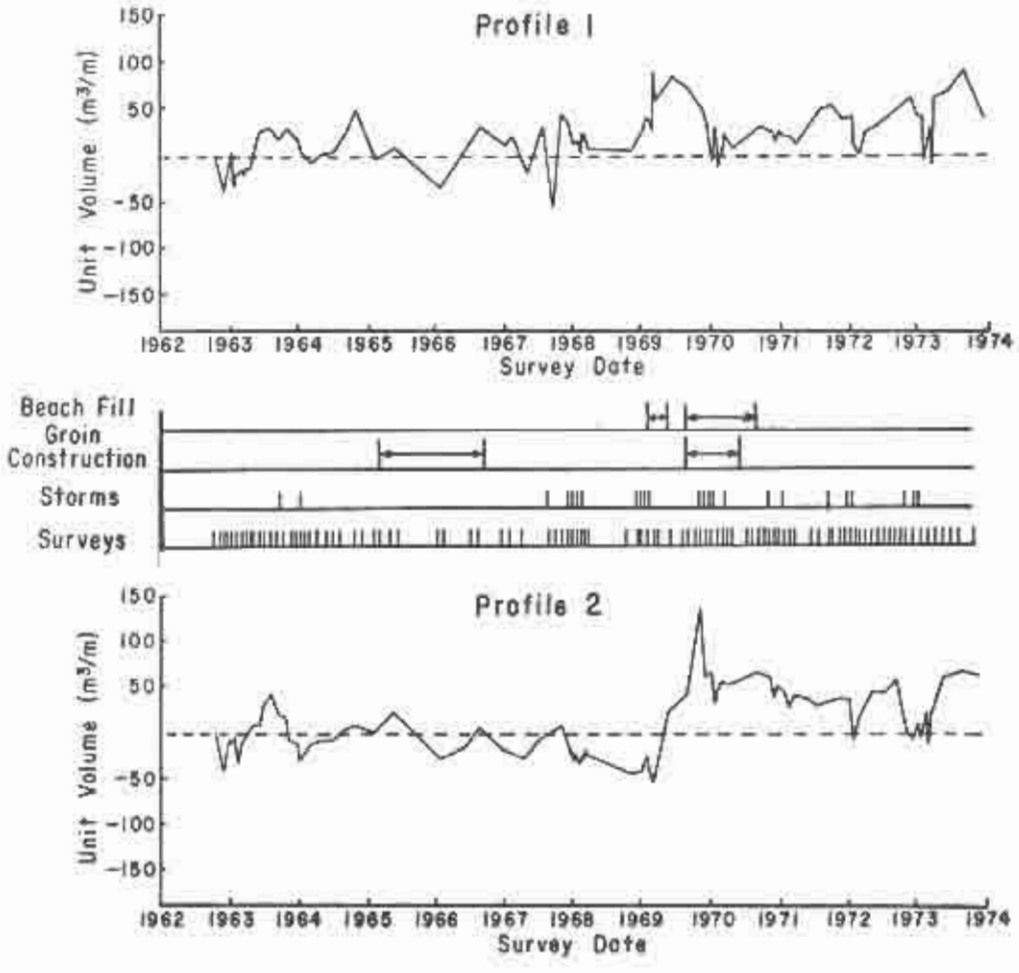
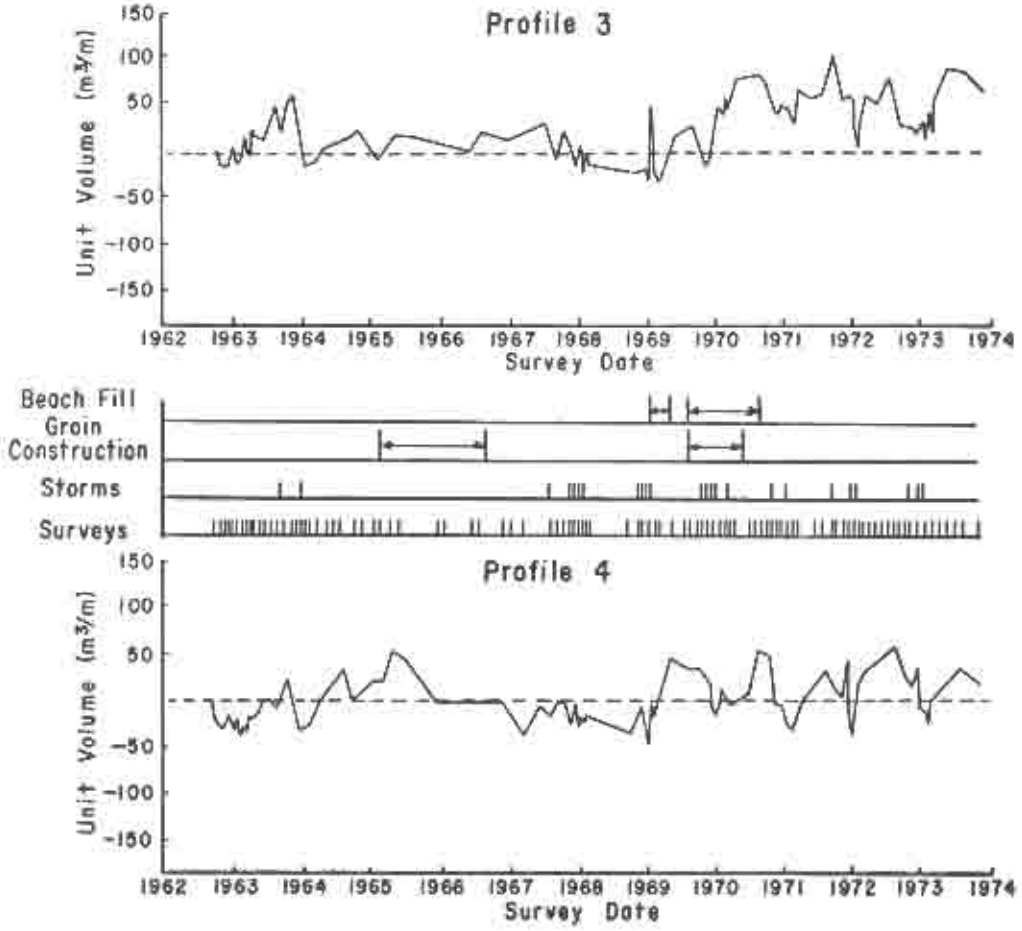
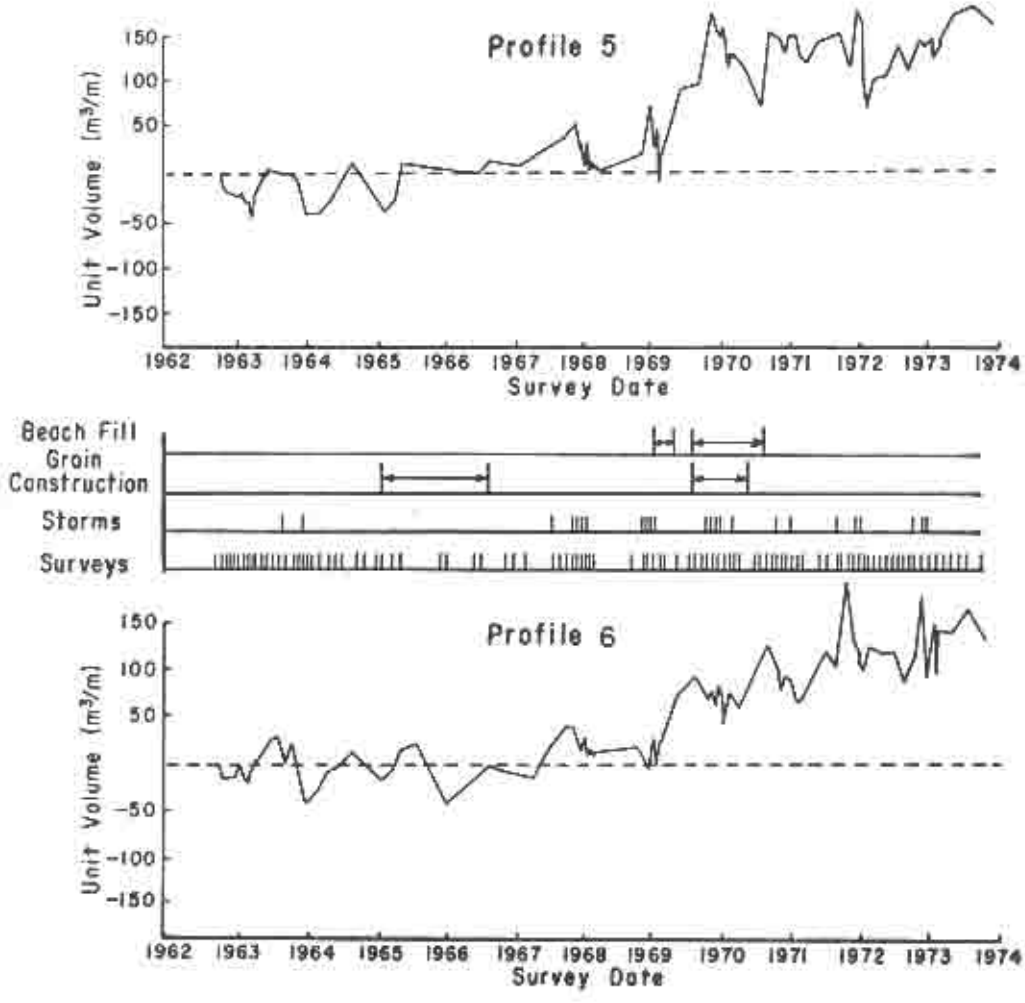
-20
-40
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
•= Extrapolated Data

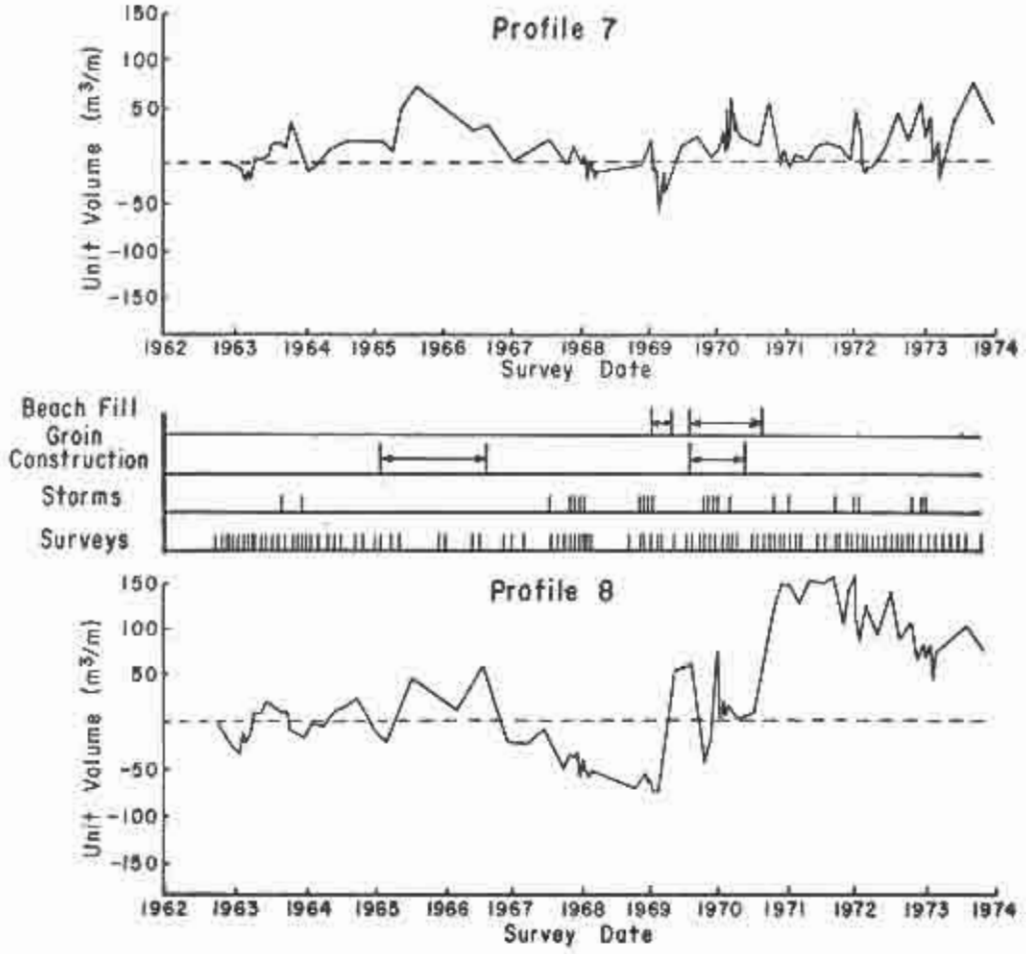
APPENDIX D

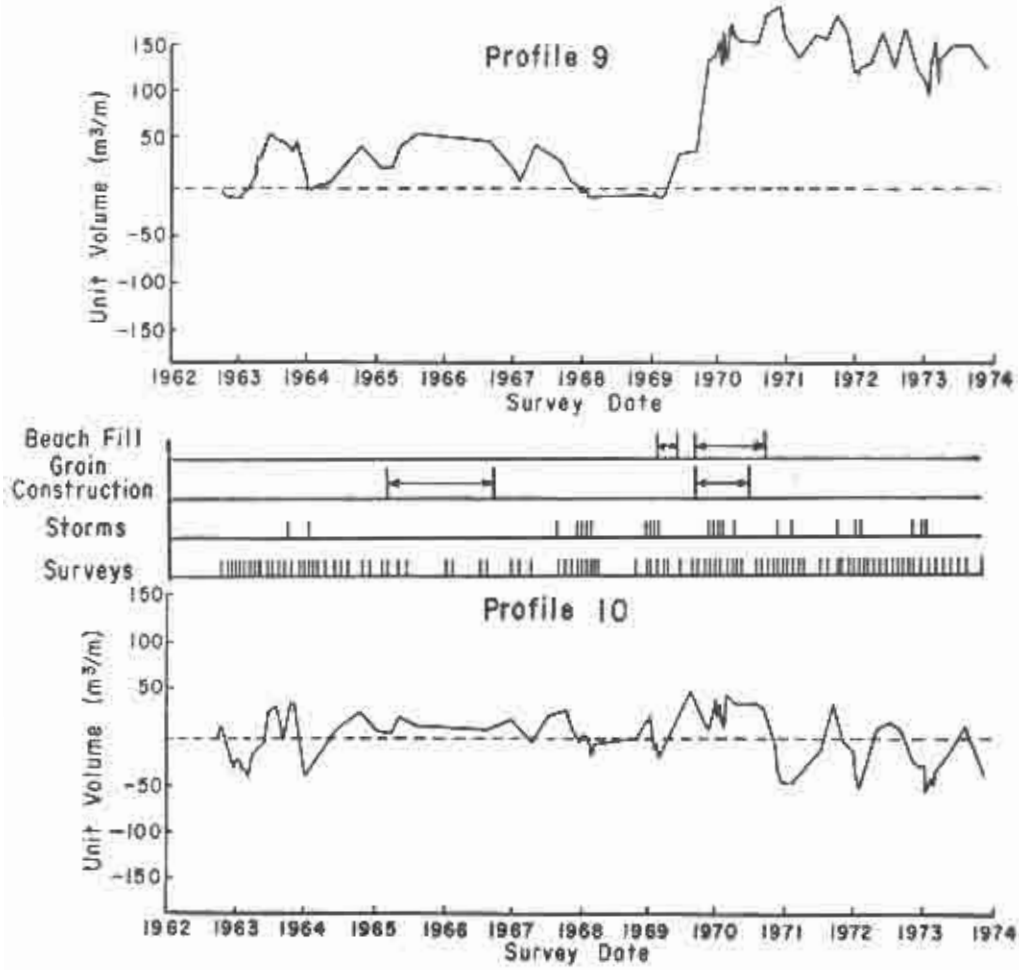
ABOVE MSL UNIT VOLUME CHANGES

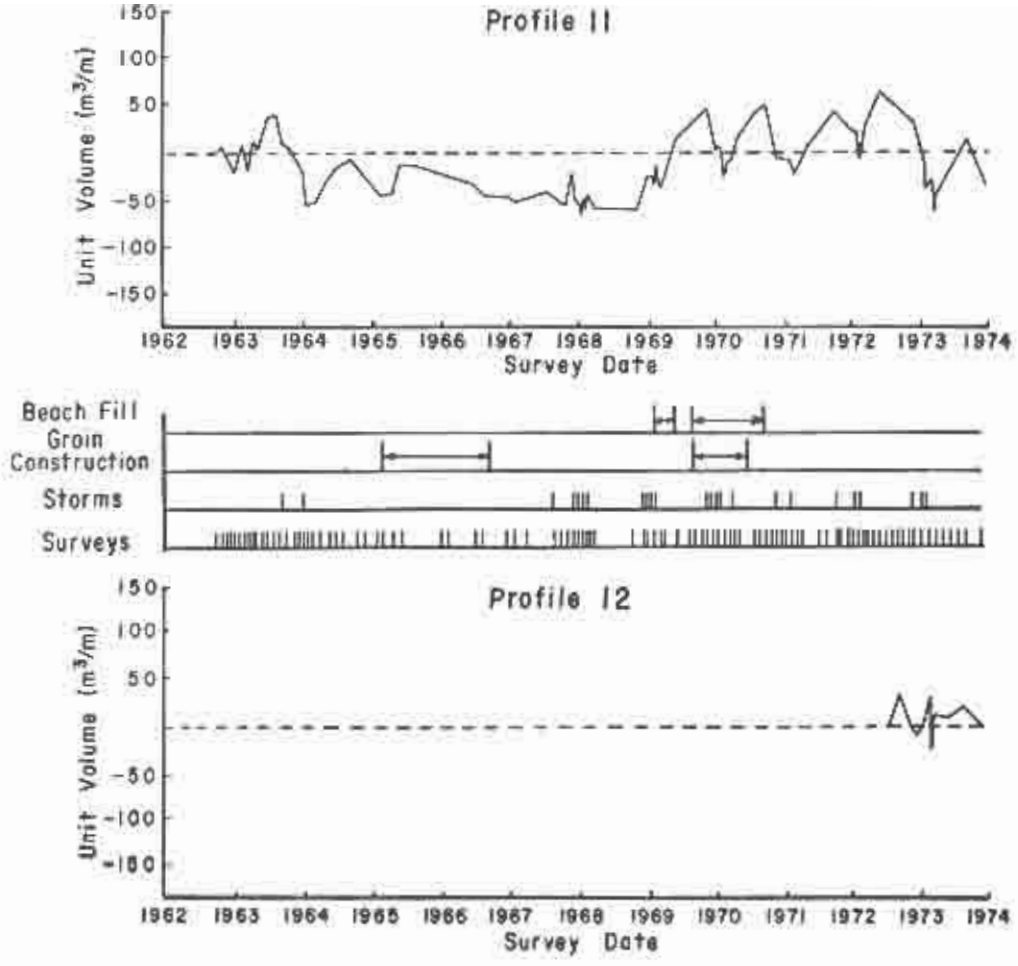

Profile 1
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 2
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date

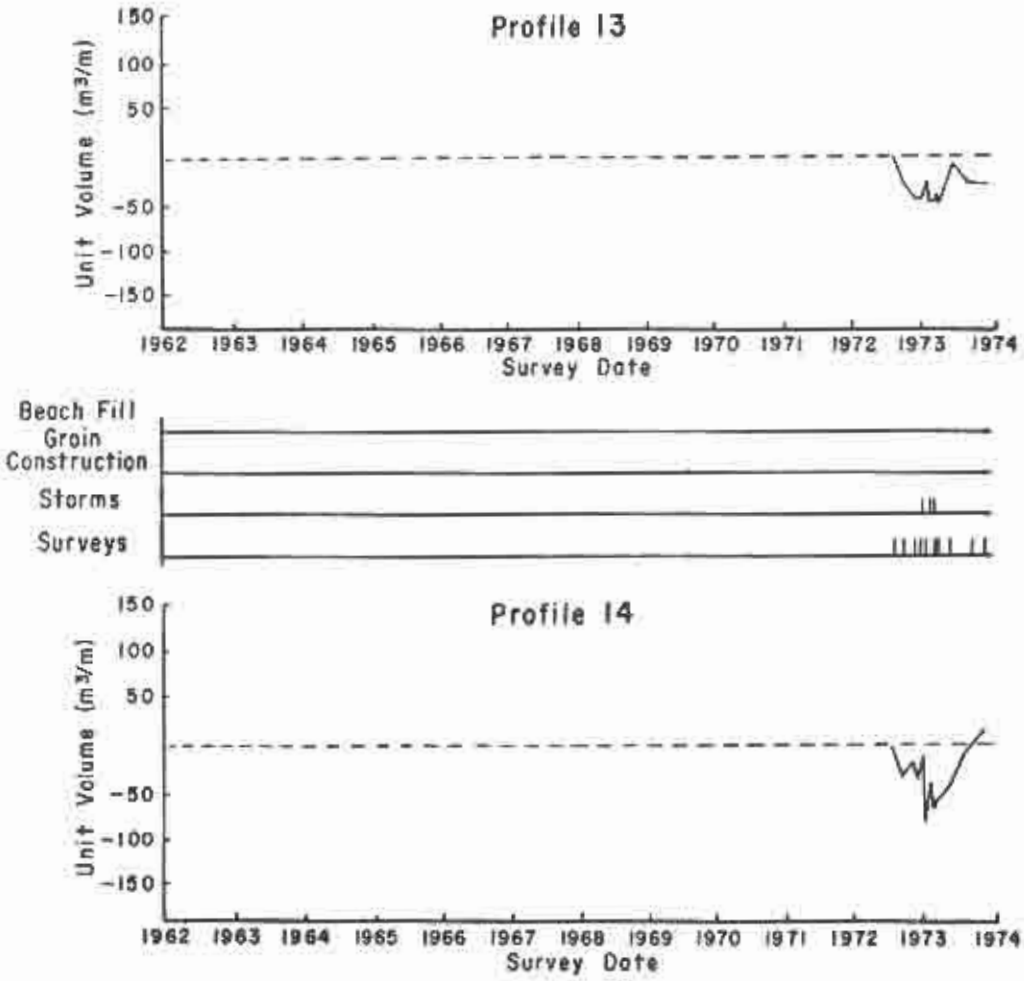

Profile 3
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 4
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date

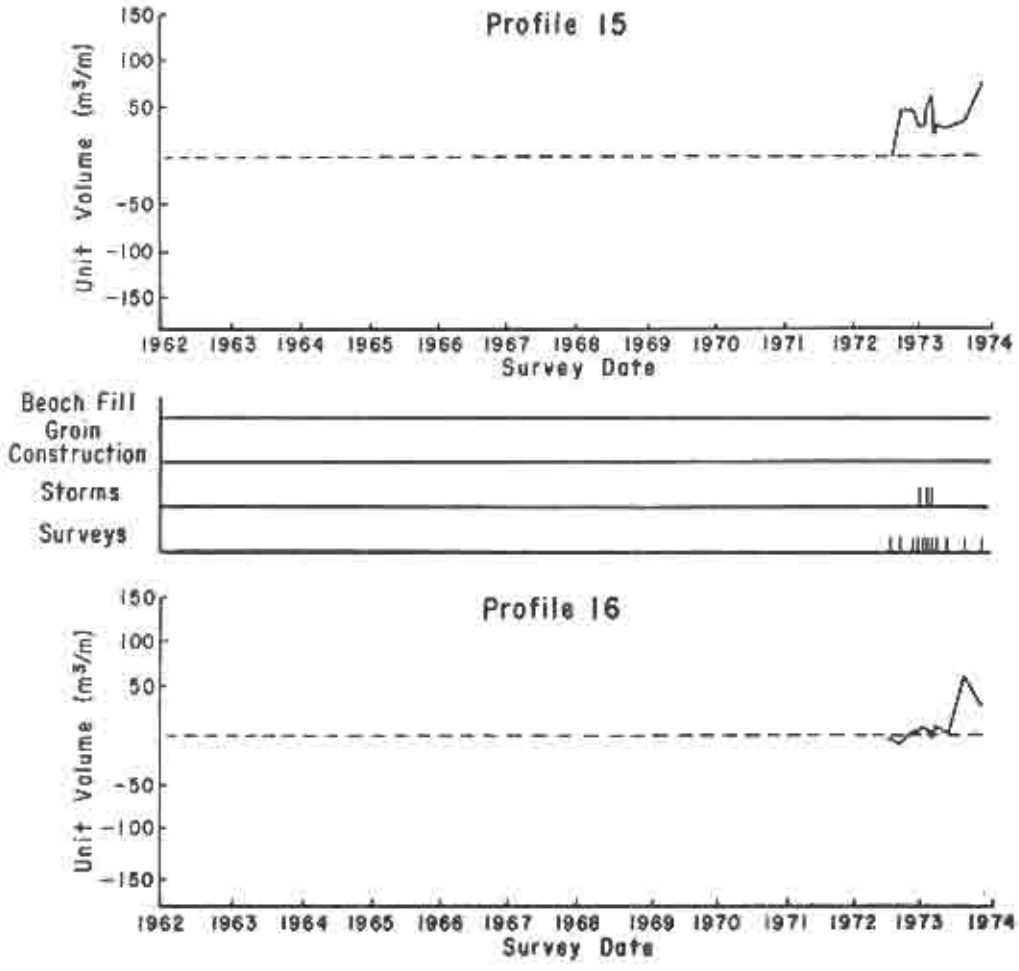

Profile 5
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 6
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date

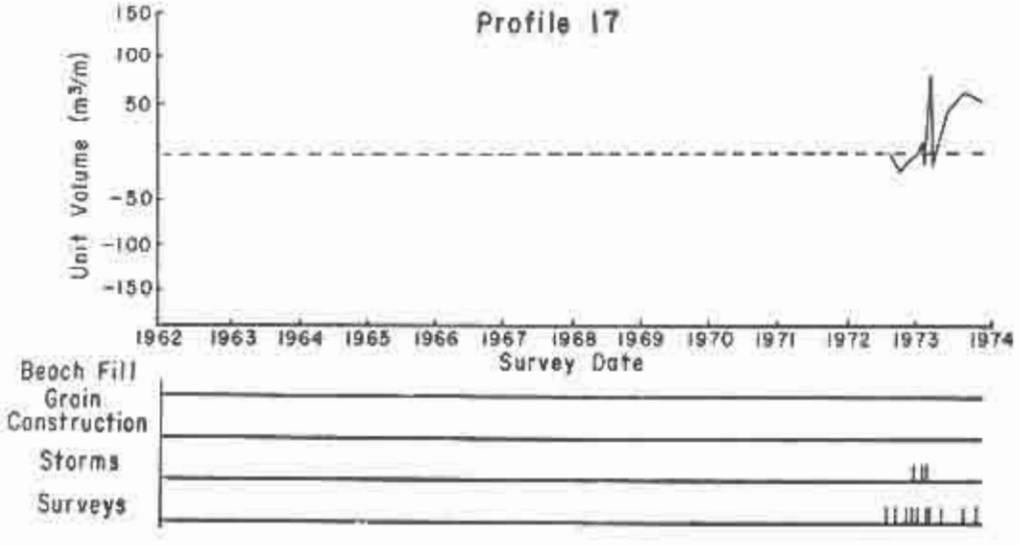

Profile 7
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 8
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date

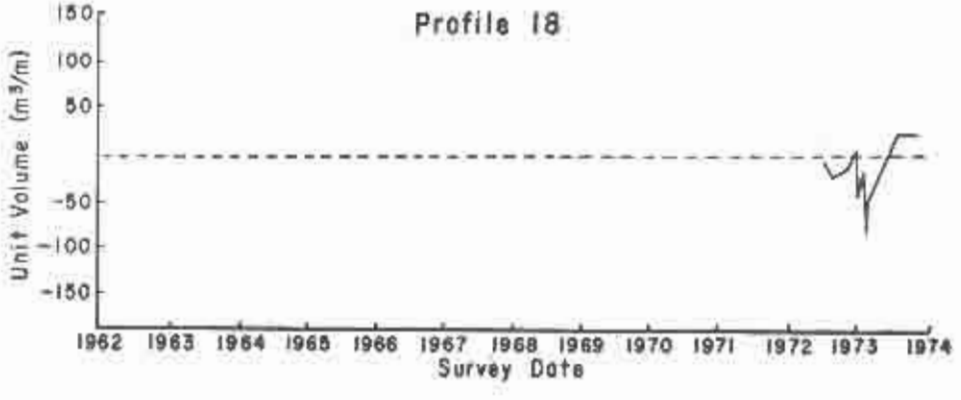

Profile 9
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 10
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date


Profile 11
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 12
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date


Profile 13
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 14
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date


Profile 15
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 16
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date


Profile 17
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys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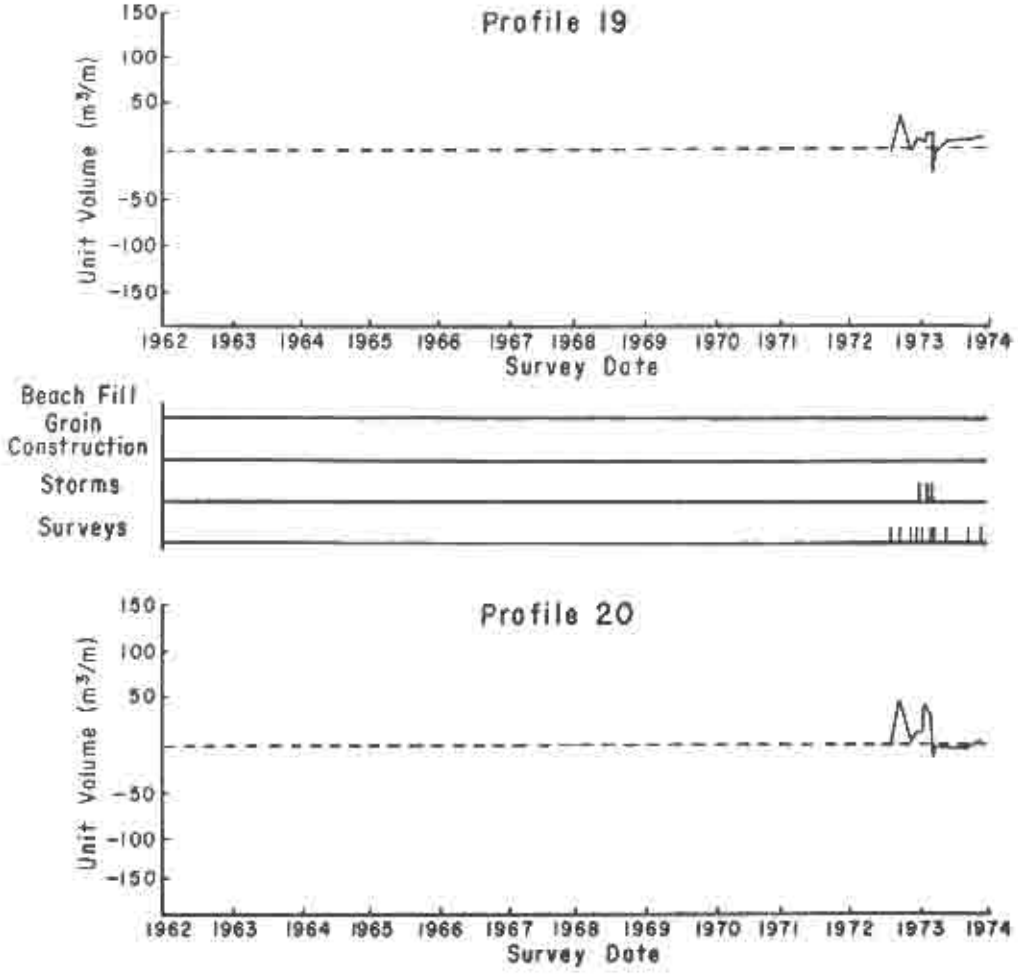
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date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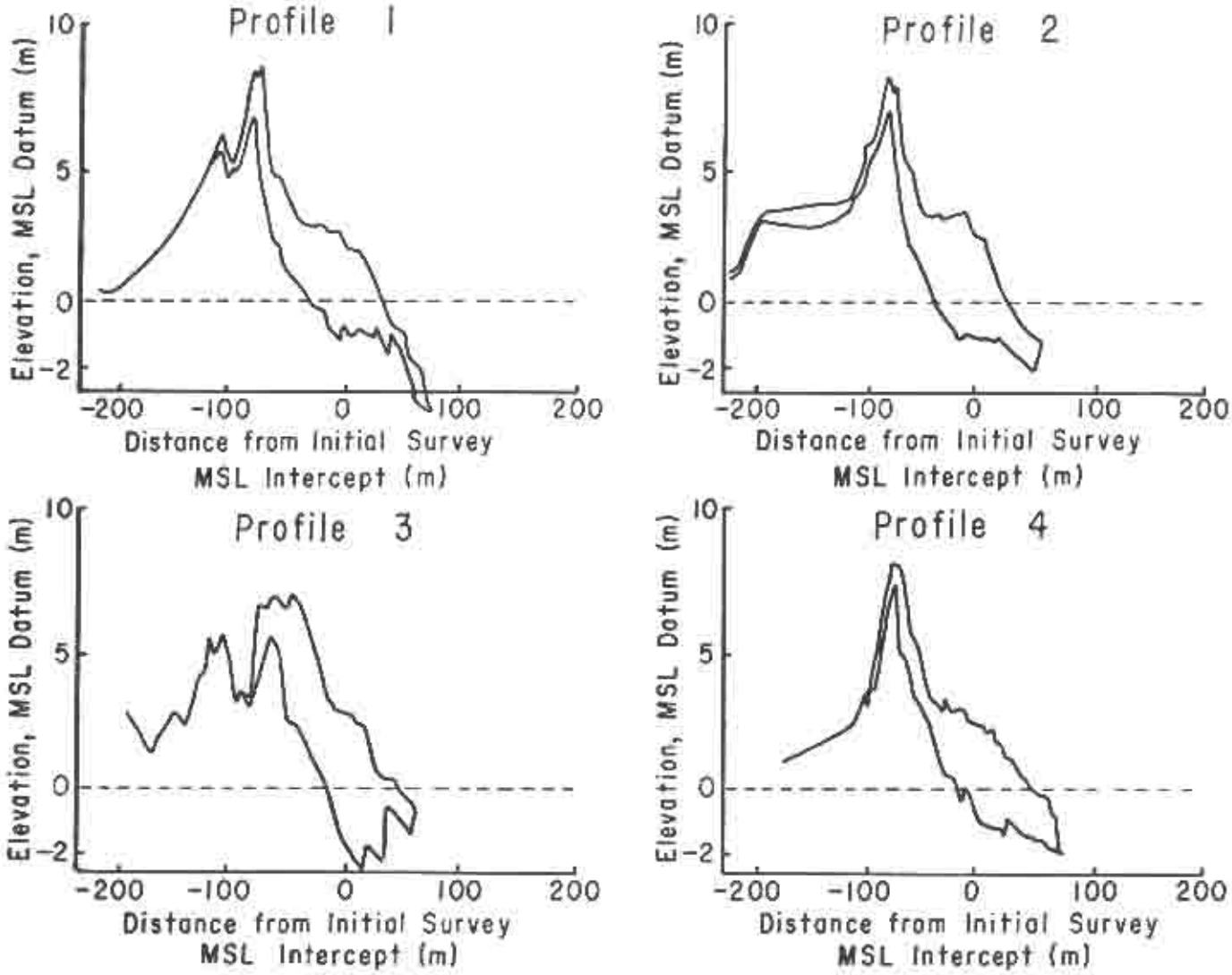
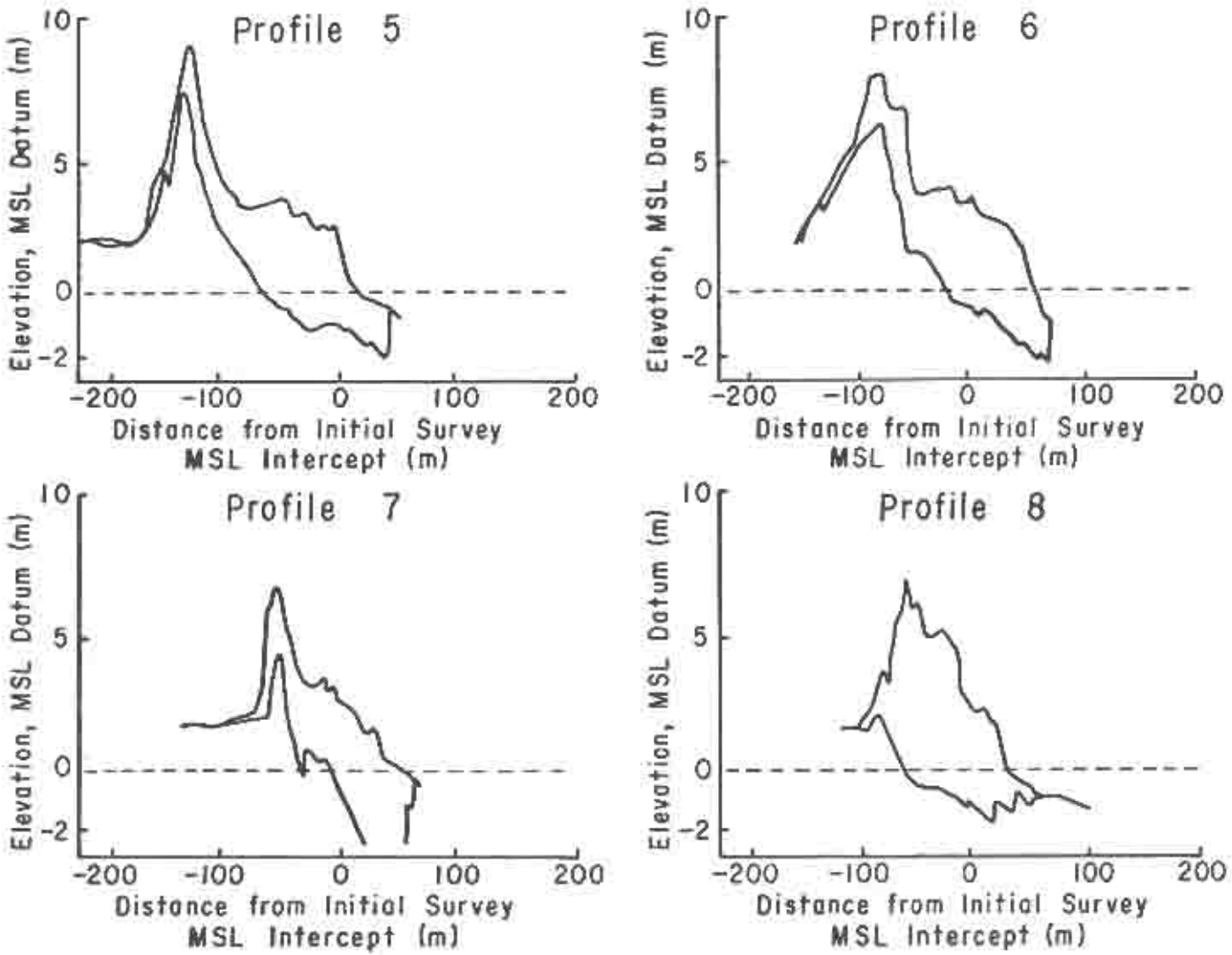
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date
Beach Fill
Groin Construction
Storms
Surveys
Profile 20
Unit Volume (m³/m)
150
100
50
-50
-100
-150
1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974
Survey Date

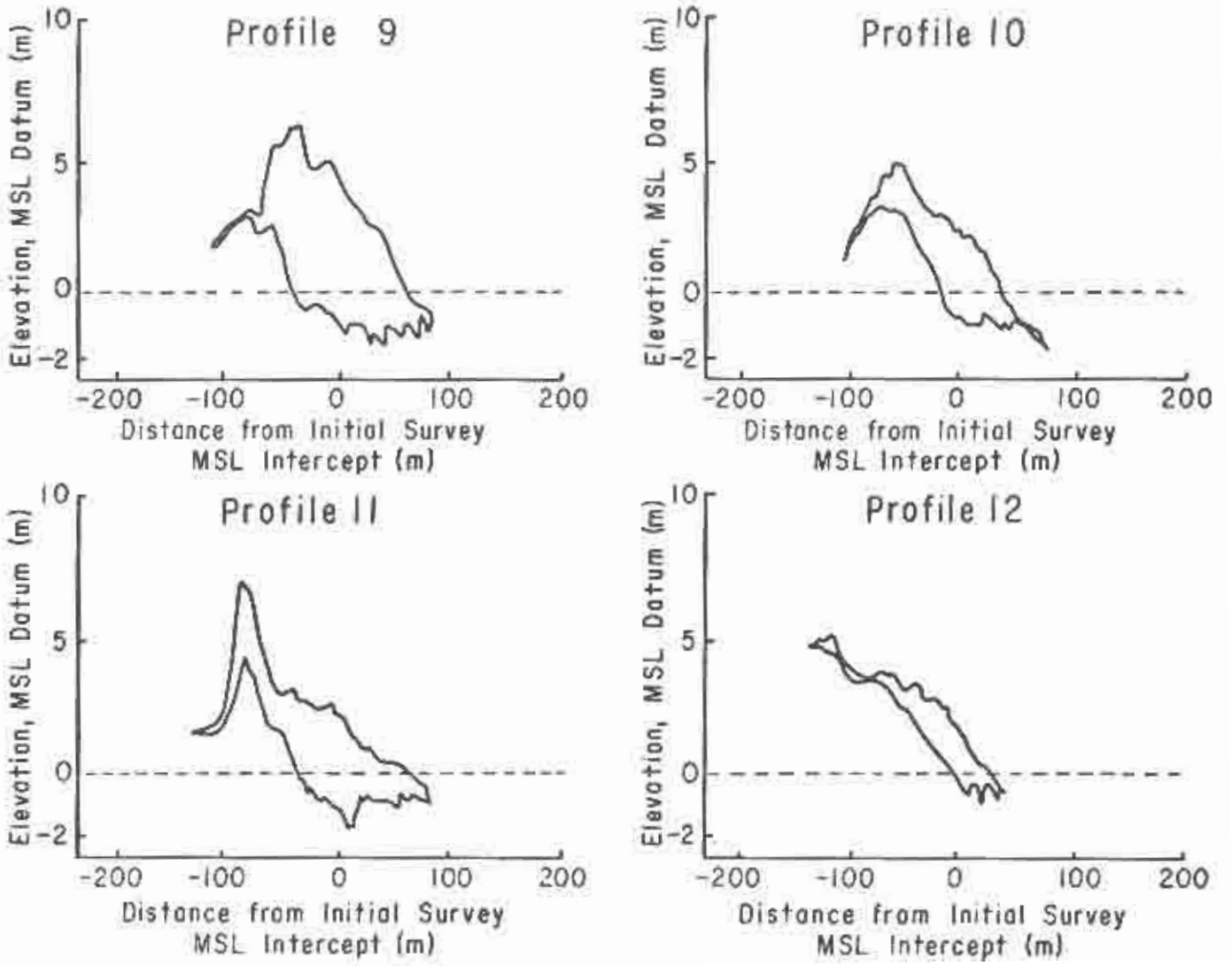
APPENDIX E

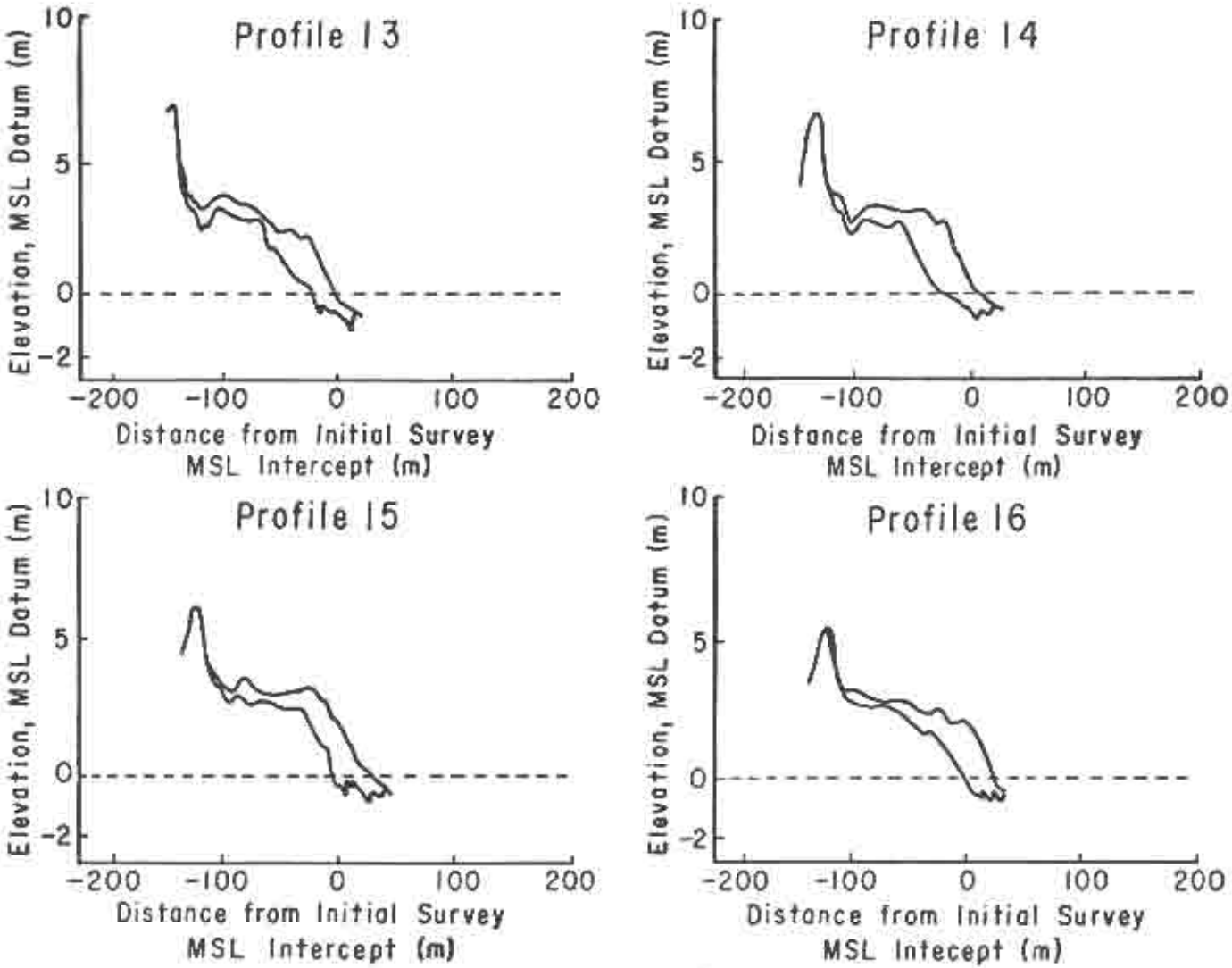
PROFILE ENVELOPES

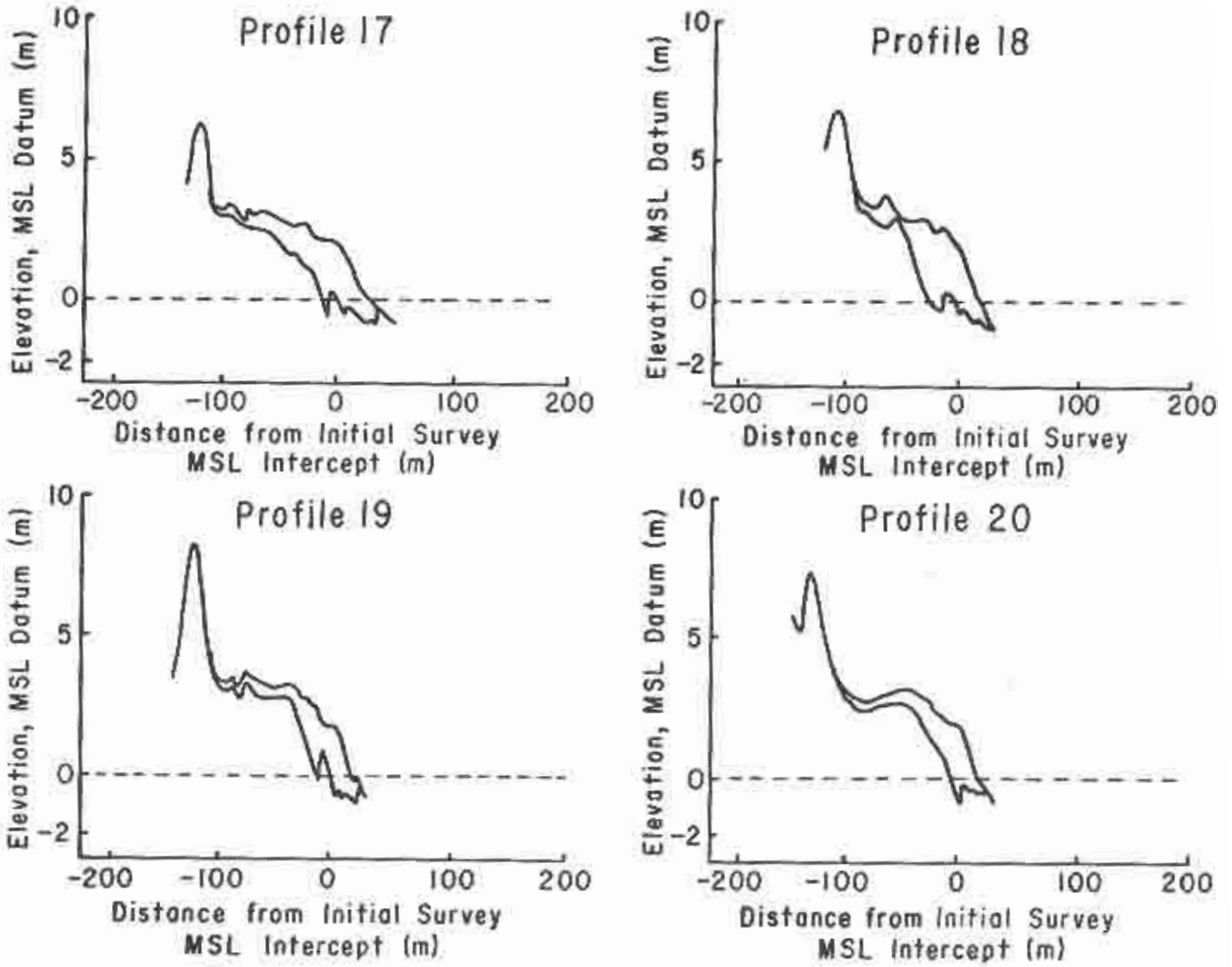
The profile envelopes in this appendix show the maximum and minimum elevations measured along each profile line. The seaward ends of the profile surveys have been connected by the automatic plotter, but do not represent actual profile closure. Since these are envelopes, the plotted upper and lower bounds do not necessarily represent a profile that existed during any of the surveys.


Profile 1
Profile 2
Profile 3
Profile 4
Elevation, MSL Datum (m)
10
5
0
-2
-200
-100
0
100
200
Distance from Initial Survey
MSL Intercept (m)


Profile 5
Profile 6
Profile 7
Profile 8
Elevation, MSL Datum (m)
10
5
0
-2
-200
-100
0
100
200
Distance from Initial Survey
MSL Intercept (m)


Profile 9
Profile 10
Profile 11
Profile 12
Elevation, MSL Datum (m)
10
5
0
-2
-200
-100
0
100
200
Distance from Initial Survey
MSL Intercept (m)


Profile 13
Profile 14
Profile 15
Profile 16
Elevation, MSL Datum (m)
10
5
0
-2
-200
-100
0
100
200
Distance from Initial Survey
MSL Intercept (m)


Profile 17
Profile 18
Profile 19
Profile 20
Elevation, MSL Datum (m)
10
5
0
-2
-200
-100
0
100
200
Distance from Initial Survey
MSL Intercept (m)

DeWall, Allan E.

Beach changes at Westhampton Beach, New York, 1962-73 / by Allan E. DeWall. — Ft. Belvoir, Va. : U.S. Coastal Engineering Research Center ; Springfield, Va. : available from National Technical Information Service, 1979.

129 p. : ill. ; 27 cm. — (Miscellaneous report — U.S. Coastal Engineering Research Center ; no. 79-5)

Bibliography : p. 34.

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1. Beach changes. 2. Beach profile. 3. Groins. 4. Westhampton Beach, New York. I. Title. II. Series: U.S. Coastal Engineering Research Center. Miscellaneous report no. 79-5.

TC203 .U581mr no. 79-5 627

DeWall, Allan E.

Beach changes at Westhampton Beach, New York, 1962-73 / by Allan E. DeWall. — Ft. Belvoir, Va. : U.S. Coastal Engineering Research Center ; Springfield, Va. : available from National Technical Information Service, 1979.

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TC203 .U581mr no. 79-5 627

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1. Beach changes. 2. Beach profile. 3. Groins. 4. Westhampton Beach, New York. I. Title. II. Series: U.S. Coastal Engineering Research Center. Miscellaneous report no. 79-5.

TC203 .U581mr no. 79-5 627

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TC203 .U581mr no. 79-5 627