Aerial Surveys of Murre and Eider Distributions in Inshore Newfoundland Waters.

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June 12th. 1989.

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1. Introduction:

The current status of Murres and Eiders in Newfoundland is a matter of some concern. Excessive numbers of wintering Thick-billed Murres are taken in the 'turr' hunt. Large numbers of Eiders are shot, legally or illegally, in Labrador and northern Newfoundland. Both groups are also vulnerable to oil spills and net-drowning. At the CWS/AR meeting in St. John's in April, I agreed to produce a series of computer-maps of Murre and Eider distributions off Newfoundland, from the PIROP Aerial Atlas files. They are primarily to help Pierre Ryan in his surveys and management planning, but they may also be useful to other CWS seabird/seaduck people. I've added maps from the Shipboard and Aerial Atlases, and a short commentary.

2. Methods:

The aerial surveys were commissioned by the oil industry as part of the Environmental Impact Statements required for exploratory offshore drilling. The monthly surveys south of 48°N were made by MacLaren Plansearch Lavalin (1981), on behalf of Mobil Oil Canada Ltd., between March 1980 - March 1981. Those north of 49°N were flown by LGL Ltd./Memorial University of Newfoundland, for Petro-Canada Exploration Inc., at 2-week intervals between April-November 1981 (Kirkham et al. 1985 and unpublished).

Both sets of observations were made from DeHavilland Twin Otters, flying along standard tracks at 185 km/h (100 kts,), 30 m above the sea. Altitudes were measured with a radar altimeter; GNS-200 and GNS-500A navigation systems provided exact positions and ground-speeds. One observer sat in the co-pilot's seat, with a view to the right and ahead of the aircraft; the other, behind the pilot, had a more limited view to the left side. The survey covered a width of 200 m on either side of the flight-line. Bird observations, courses, ice, etc. were recorded on cassette. Each transect was divided into 2-minute segments, timed by a signal from an automatic timer. At the stated speeds and transect widths, a 2-minute 'watch' covers ca. 2.5 km2.

The maps given here are adaptations of those in the CWS Seabird Atlases (Brown 1986, and in prep.), using the 2-minute 'watch' as the unit of observation. The data are plotted as the average number of birds per kilometre, in each 10'N x 10'W 'block'. They are presented in detail in the print-outs in Appendices M.2 (Murres) and E.2 (Eiders). For the purposes of the maps they are rounded off to the nearest whole number, with averages between 0.1-0.5 birds/km being plotted as '+'. The print-outs give the number of 'watches' on which each average is based, in the 'Effort' column.

On the maps, averages based on >10 'watches' are underlined; those based only on 1-2 have an asterisk. The maps plot all data recorded between 46°-52°30'N, 57°-51°30'W. Note that, at this magnification of scale, the mapping programme plots the 1°N markers about 10'N too high. To help cross-reference between the maps and the print-outs, the Grid Locator map (M.1) has the 1°N x 1°W intersections correctly marked by 'X'. This map also shows the scale (1°N = 60 nautical miles = 111 km), and the positions of the principal Murre colonies. To fit the Newfoundland distributions into a wider perspective, I've also added (M.3, M.4) quarterly aerial and shipboard averages for Murres, based on 1°N x 1°W 'blocks' and plotted on the standard CWS Atlantic Atlas map (Brown 1986). The symbol keys are given on the shipboard maps (M.4).

The aerial surveys can't, of course, separate Common from Thick-billed Murres, or Murres from Razorbills. Quarterly Atlantic shipboard maps for the two Murres plot '+' in 'blocks' where the species in question was positively identified. In these maps, '-' indicates that murres were present, but the species was not identified; '0' means that no Murres were seen. The aerial Eider maps combine sightings of Common and King Eiders, unidentified Eider spp., and Eiders and/or Scoters.

In all these quantitative distribution maps, the absence of symbols means an absence of coverage - and NOT necessarily an absence of birds.

3. Commentary:

a. Murres.

January-March: the Aerial Atlantic map (M.3) suggests that murres are commonest south of ca. 50° off Newfoundland, down to the southern Grand Banks, with some local concentrations inshore. The Shipboard Atlantic maps (M.4) suggest that the birds are largely confined to the Grand Banks, but this reflects the scarcity of coverage off NE Newfoundland. Virtually all of these birds are Thick-bills (M.4). In finer detail, the Aerial Newfoundland maps (M.1) show that Murres are virtually absent from the Notre Dame Bay area during the whole of this period - presumably because of the pack-ce. How does this compare with the Turr Hunt data? There are scattered birds in the Strait of Belle Isle in January-February, with numbers increasing considerably in March. Apart from these, the virtual absence of murres north of 50°N in March shows that the return migration to the Arctic hasn't yet got under way. Note, however, the concentration of birds (breeding Commons? migrant Thick-bills?) that has begun to build up around the Funks. Birds also seem to be moving inshore towards the southern Avalon Peninsula.

April-June: both the Aerial and Shipboard Atlantic maps (M.3, M.4) show a concentration of murres around the Funks; the birds are also common from the northern Grand Banks to Belle Isle and SE Labrador, but scarce farther north (pack-ice?). The Shipboard map has a concentration inshore, off the eastern Avalon, as well. Thick-bills are still widespread but, as you'd expect, there are centres of Commons - presumably breeders - off the Avalon, the Funks and SE Labrador. The Aerial Newfoundland maps show the same picture, with very large local densities around the Funks, especially in April. However, many of the April birds are probably Thick-bills on the way north. In June, when virtually all the Funks birds must the breeding Commons, this murre concentration seems to occupy an area/foraging range of about 30'N x 40'W around the colony - ca. 55 km2, or a radius of 25 km. But the map also suggests that they may be going farther - perhaps as far west as Fogo, and/or south to Cape Freels.

July-September: the Aerial and Shipboard Atlantic maps (M.3, M.4) show Murres occurring along the Continental Shelf from N Labrador to Cape Race, but not farther south, on the Grand Banks. The Shipboard maps show Thick-bills off Labrador, but Commons from SE Labrador to the northern Banks. This is presumably a mix of local birds, and Thick-bills migrating down from Hudson Strait. The Aerial Newfoundland maps (M.1) show a similar pattern. The birds evidently leave their Avalon colonies in August/September. There are small numbers of murres in the Strait of Belle Isle in all three months, but none in Notre Dame Bay.

October-December: the Aerial Atlantic map (M.3) shows a concentration of murres along the central coast of Labrador, and that the birds have also reached the southern Grand Banks. The Shipboard Atlantic data (M.3), collected mainly in October, show that the birds have only reached the northern Banks by then; they are also found as far east as Flemish Cap, ca. 45°W. Most of these birds are Thick-bills. The Aerial Newfoundland maps (M.1) suggest a southward wave of migration - presumably of Arctic Thick-bills - that reaches Cape Freels (and, to some extent, Notre Dame Bay) in October, and the northern Grand Banks in November. In December, there are murres off Belle Isle and SE Labrador, but there are none left in Notre Dame Bay, or on the outer Labrador Shelf.

b. Eiders.

I only have inshore, Aerial Newfoundland maps (E.1) for these birds: there are too few sightings offshore, Aerial or Shipboard, to be worth plotting.

In January-March, the birds are abundant off the southern Avalon in all three months. Eiders are locally common off Belle Isle and Cape Freels/Fogo in December-January, but not later in the winter. Presumably these are the birds that migrate down from Labrador to the Avalon - pushed on by the pack-ice?

The Belle Isle and Cape Freels/Fogo concentrations re-form in March-April. Belle Isle persists into July, but the ones off Cape Freels/Fogo and the southern Avalon disperse in June. The offshore records south of Cape Race in April are presumably of migrants arriving from Nova Scotia. Eiders are virtually absent from the survey area in July-September, apart from a few ?breeders in SE Labrador.

In October-December, the birds are virtually confined to Belle Isle at first. However, small numbers arrive off the southern Avalon in November, and a large concentration forms off Cape Freels/Fogo in December.

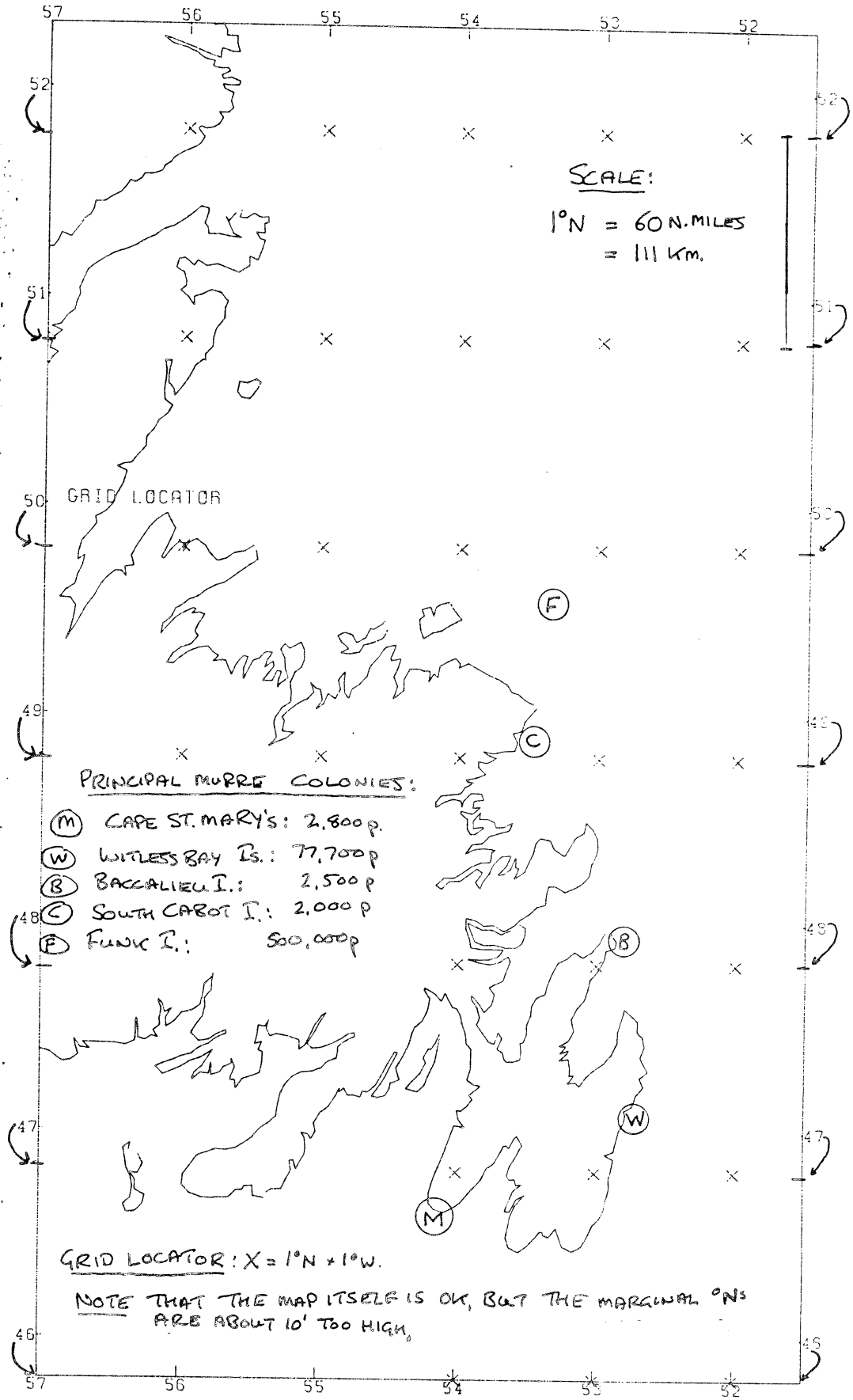
4. References:

Brown, R. G. B. 1986. Revised Atlas of Eastern Canadian Seabirds. I. Shipboard Surveys. Ottawa: Canadian Wildlife Service. 111 p.

Brown, R. G. B., in prep. Revised Atlas of Eastern Canadian Seabirds. II. Aerial Surveys. Canadian Wildlife Service.

Kirkham, I.R., McLaren, P.L. and Montevecchi, W.A. 1985. The food habits and distribution of Northern Gannets, Sula bassanus, off eastern Newfoundland and Labrador. Canadian Journal of Zoology 63 (1): 181-188.

MacLaren Plansearch Lavalin 1981. Grand Banks Wildlife Study. Final Report for Mobil Oil Canada Limited. ?Montreal.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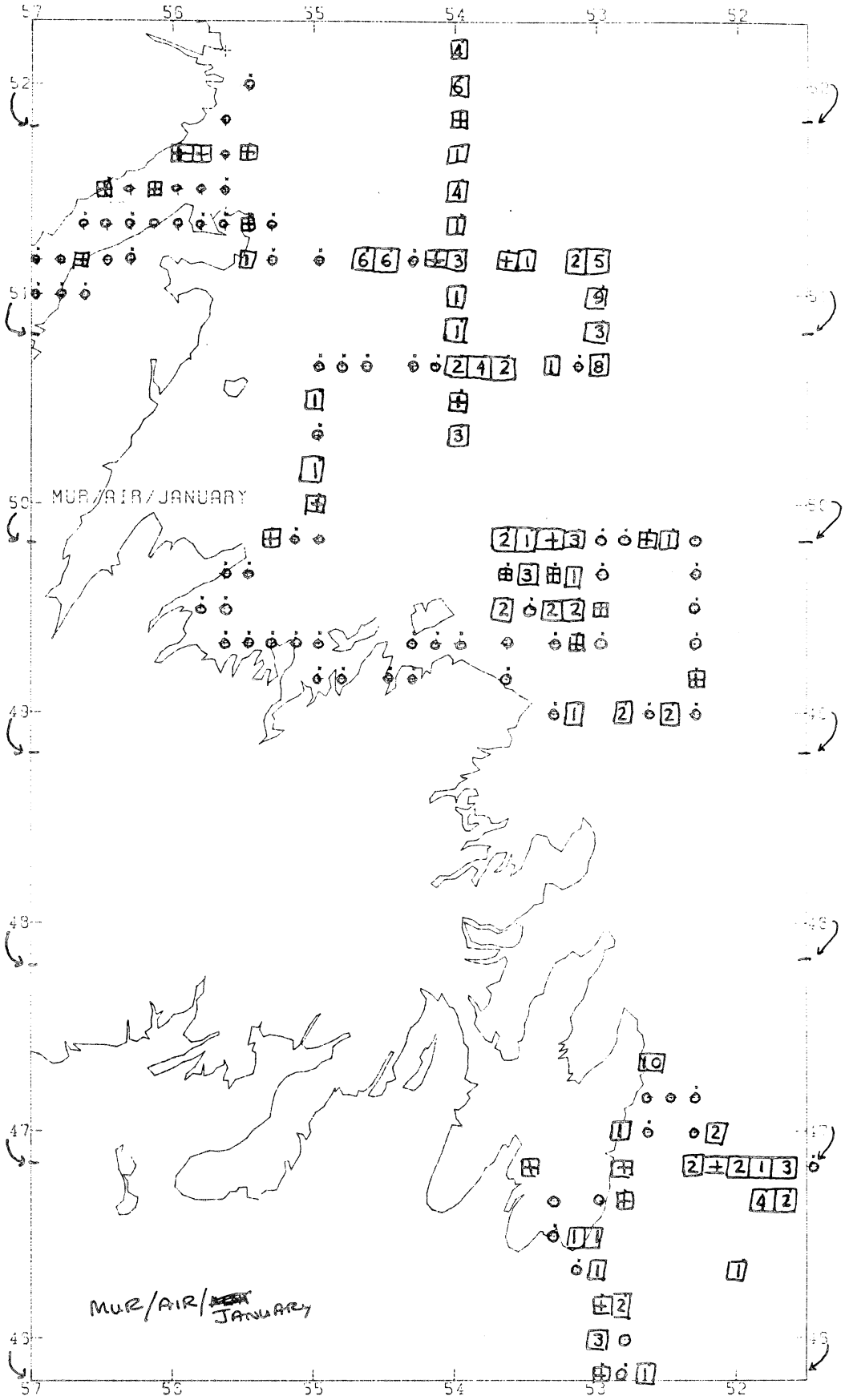
SCALE:
1°N = 60 N. MILES
= 111 KM.
GRID LOCATOR
F
C
B
W
M
PRINCIPAL MURRE COLONIES:
M CAPE ST. MARY'S: 2,800 p.
W WITLESS BAY Is.: 77,700 p
B BACCALIEU I.: 2,500 p
C SOUTH CABOT I.: 2,000 p
F FUNK I.: 500,000 p
GRID LOCATOR: X = 1°N × 1°W.
NOTE THAT THE MAP ITSELF IS OK, BUT THE MARGINAL °N's ARE ABOUT 10' TOO HIGH.

M.1



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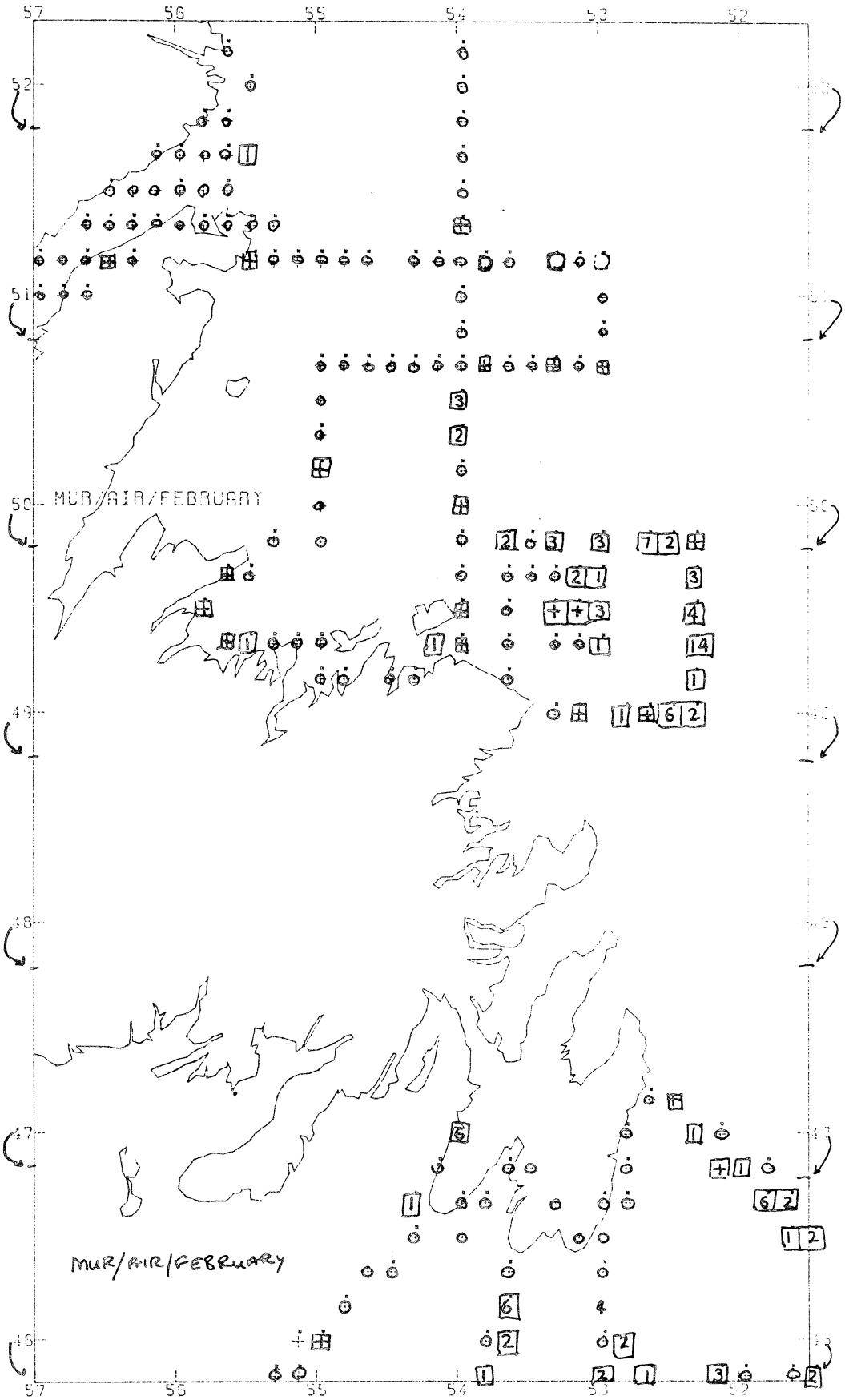

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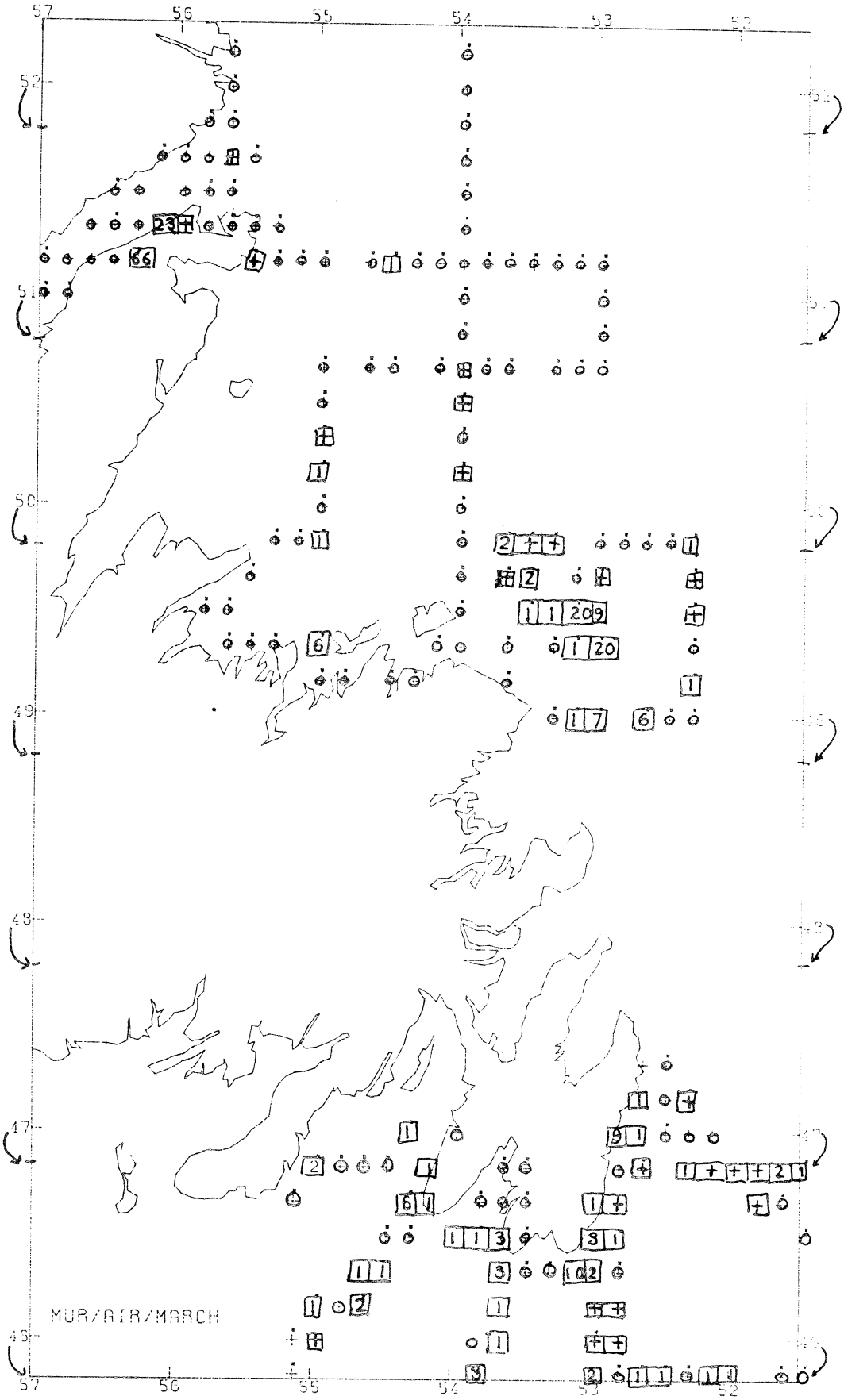

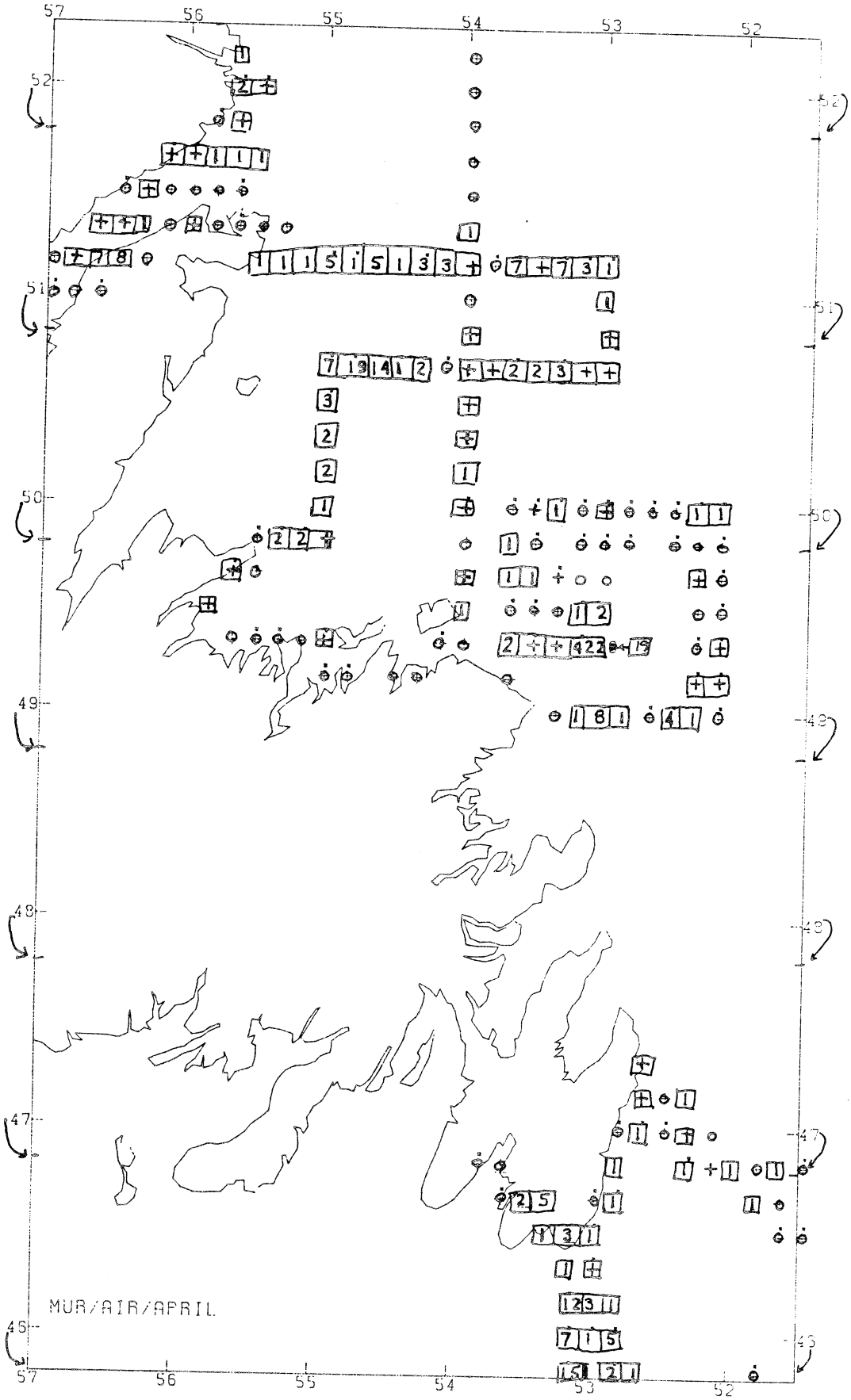
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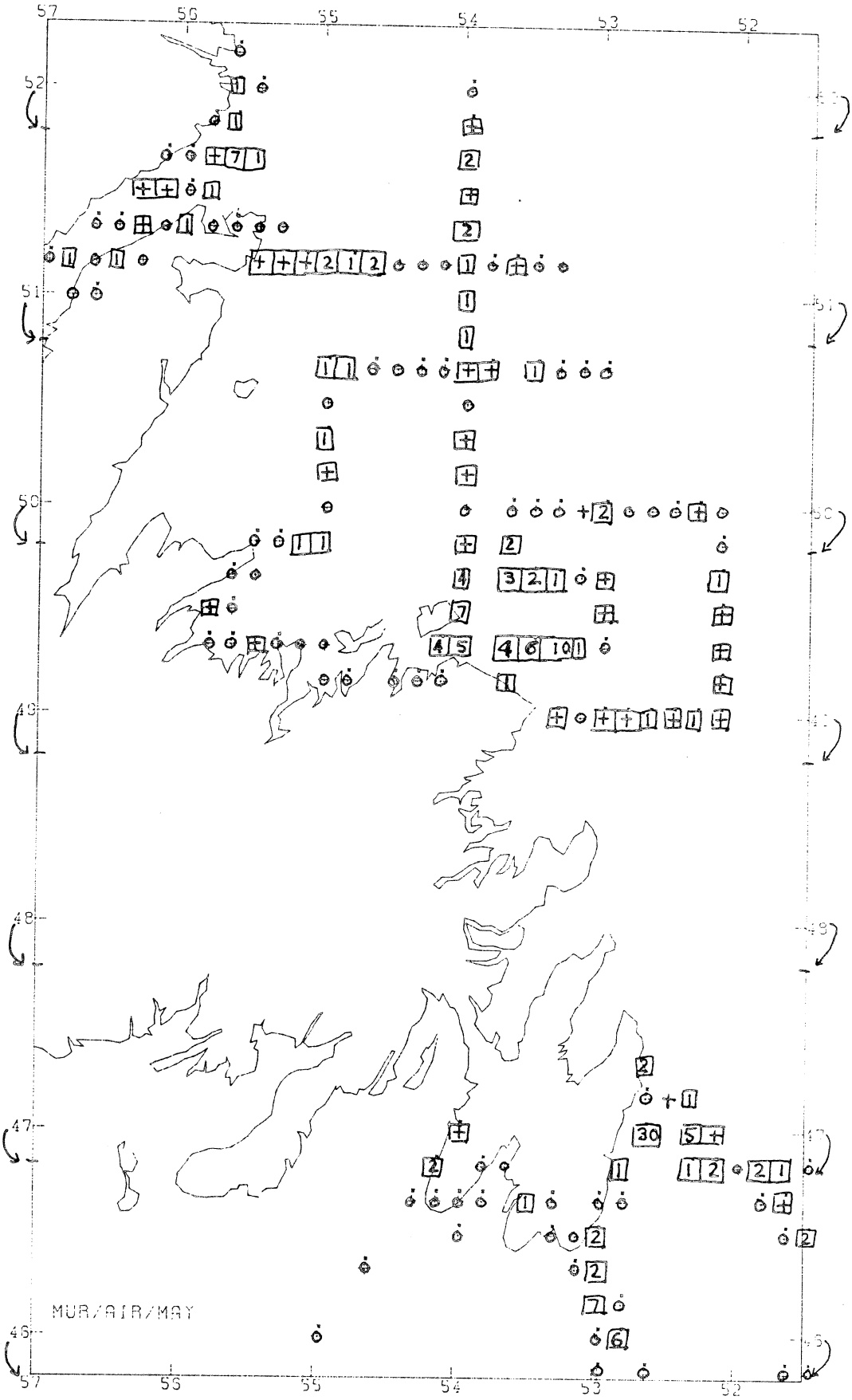
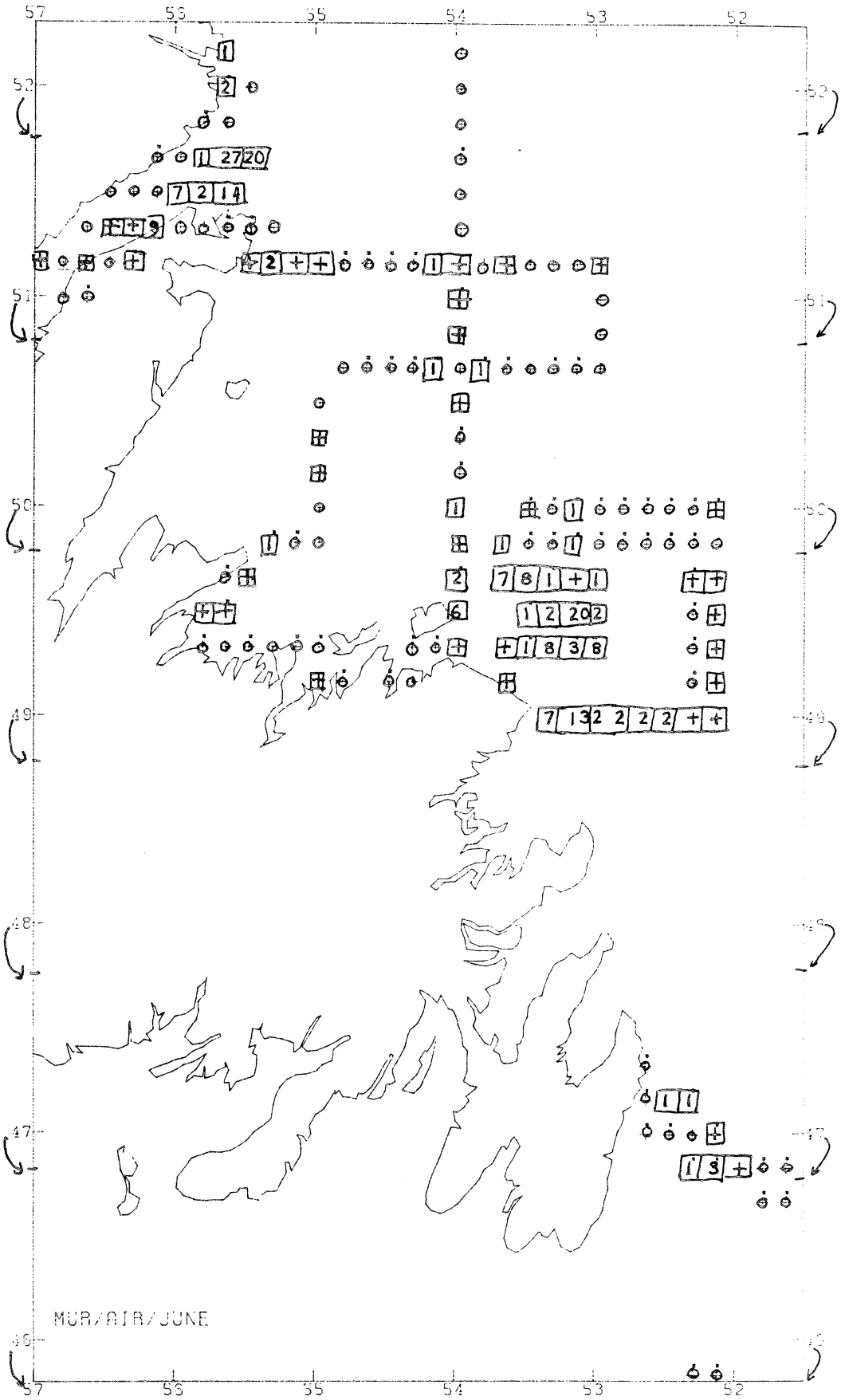
MUR/AIR/APRIL

M.1

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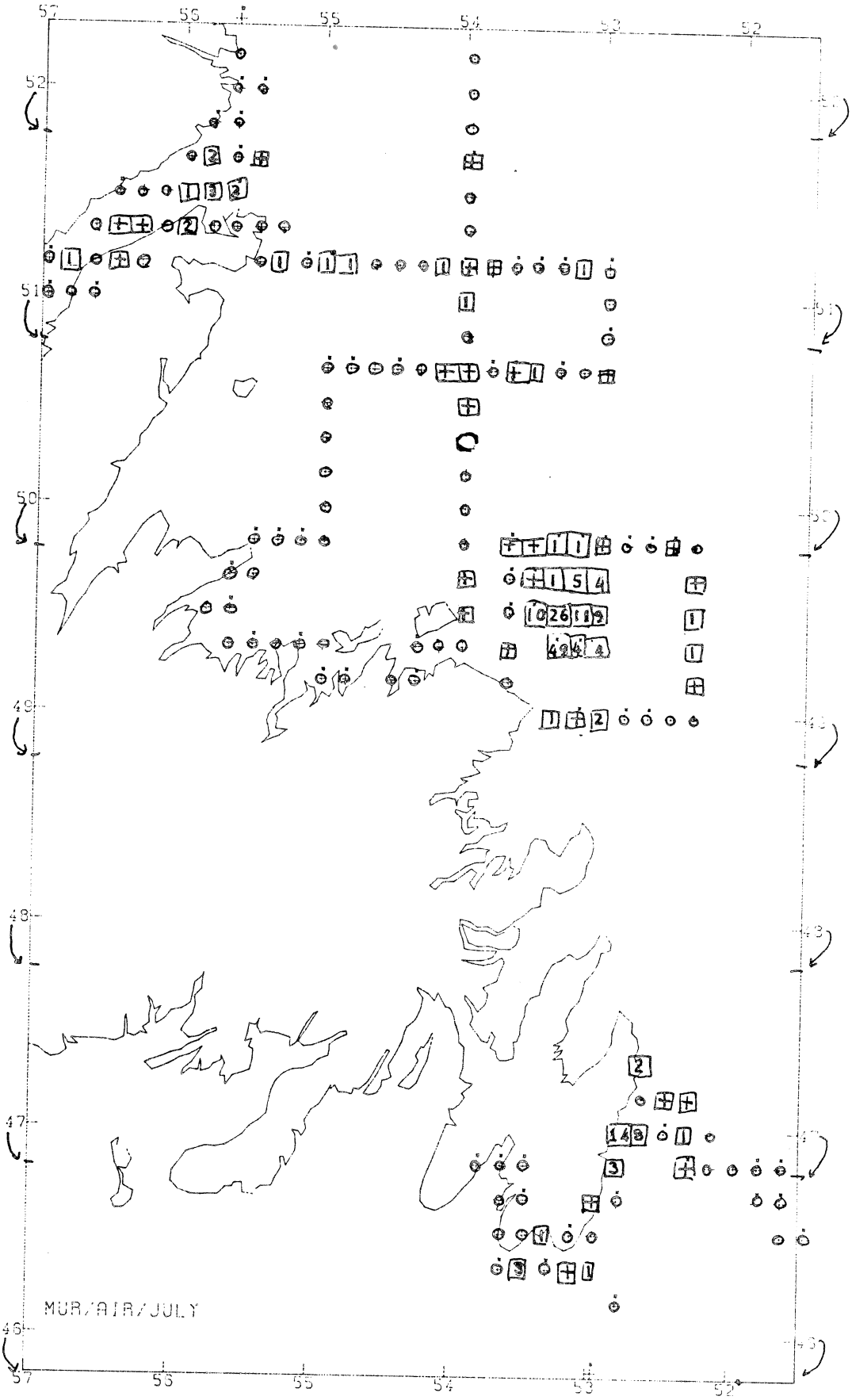
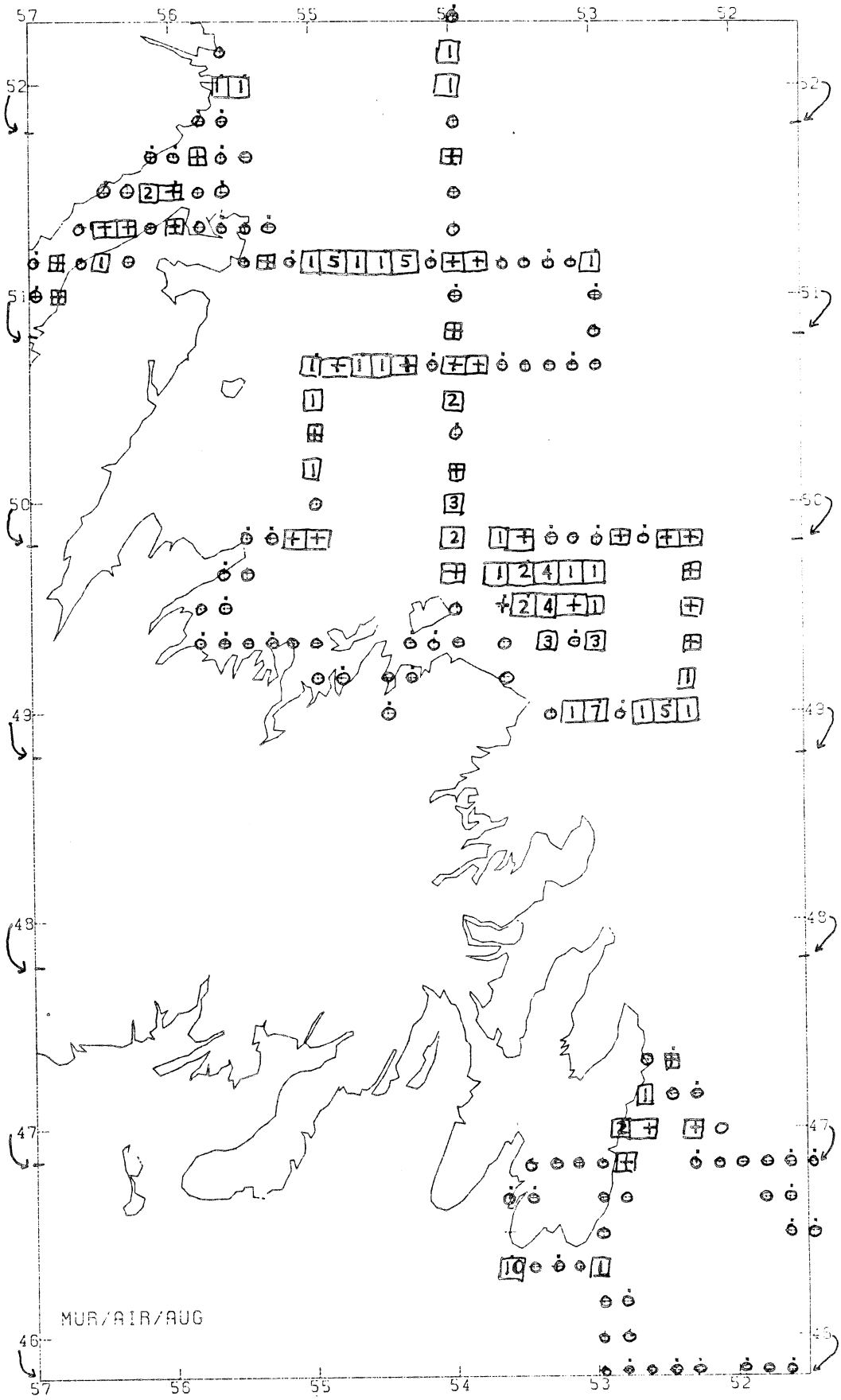
MUR/AIR/JUNE


MUR/AIR/JULY

M.1



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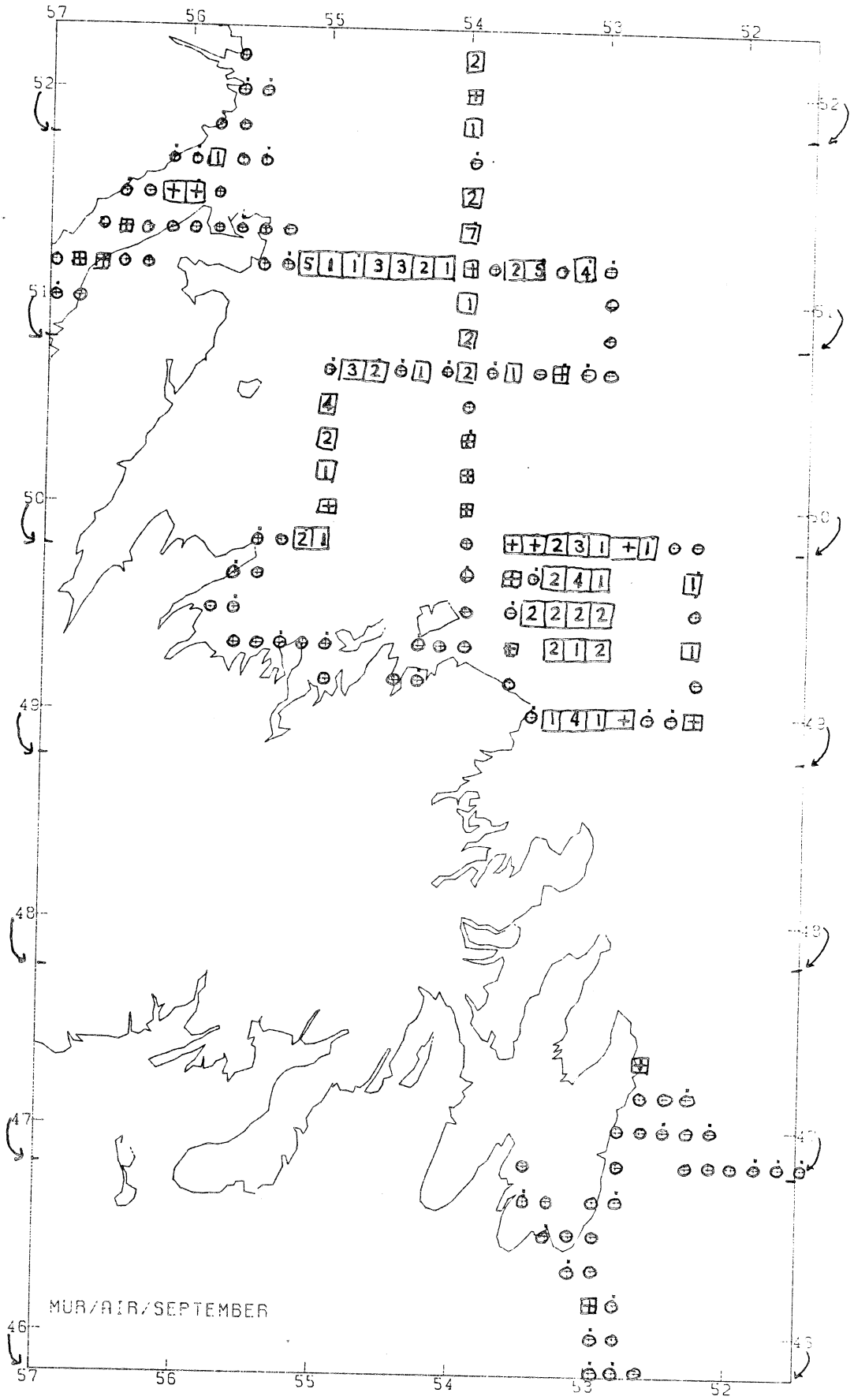

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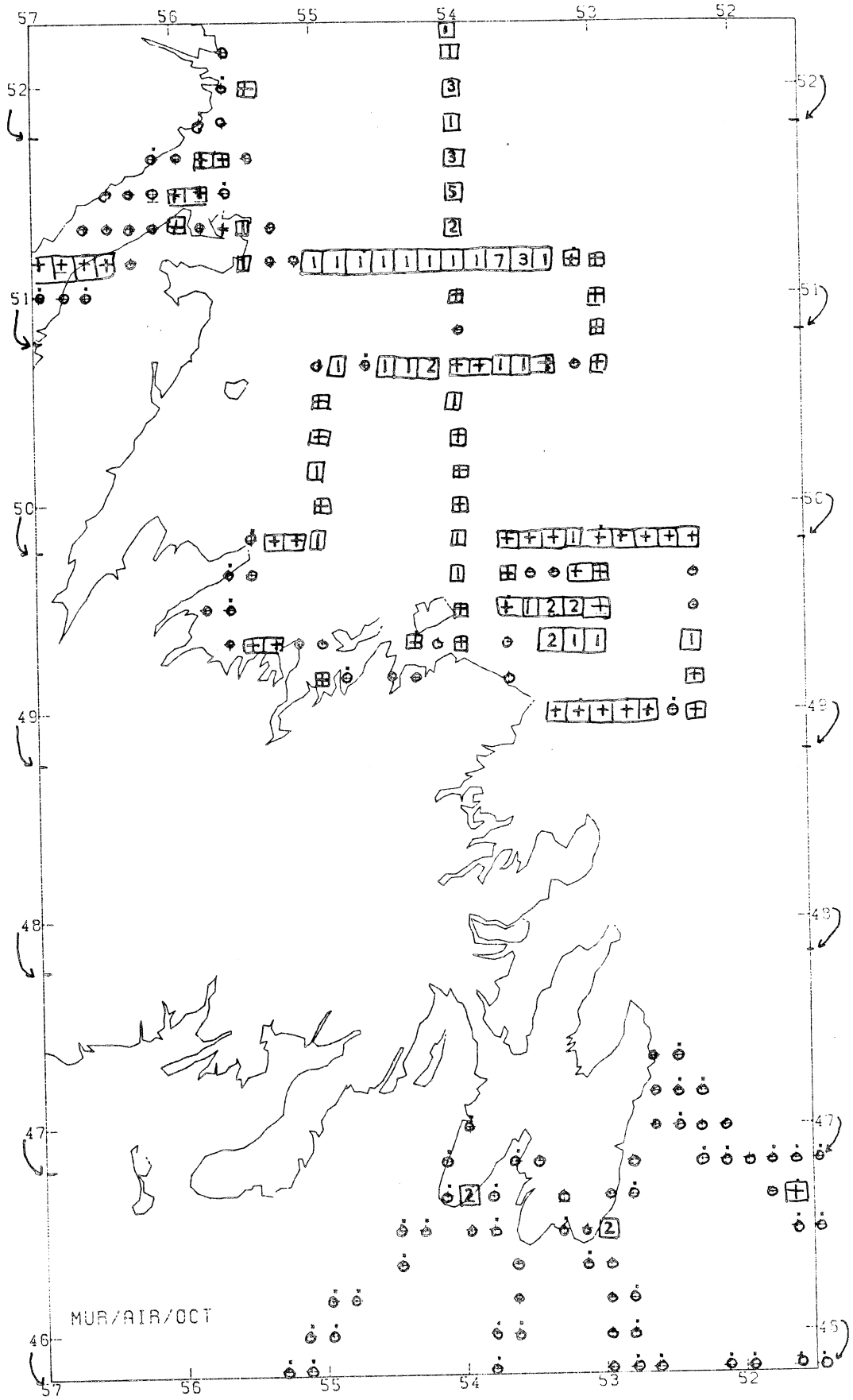

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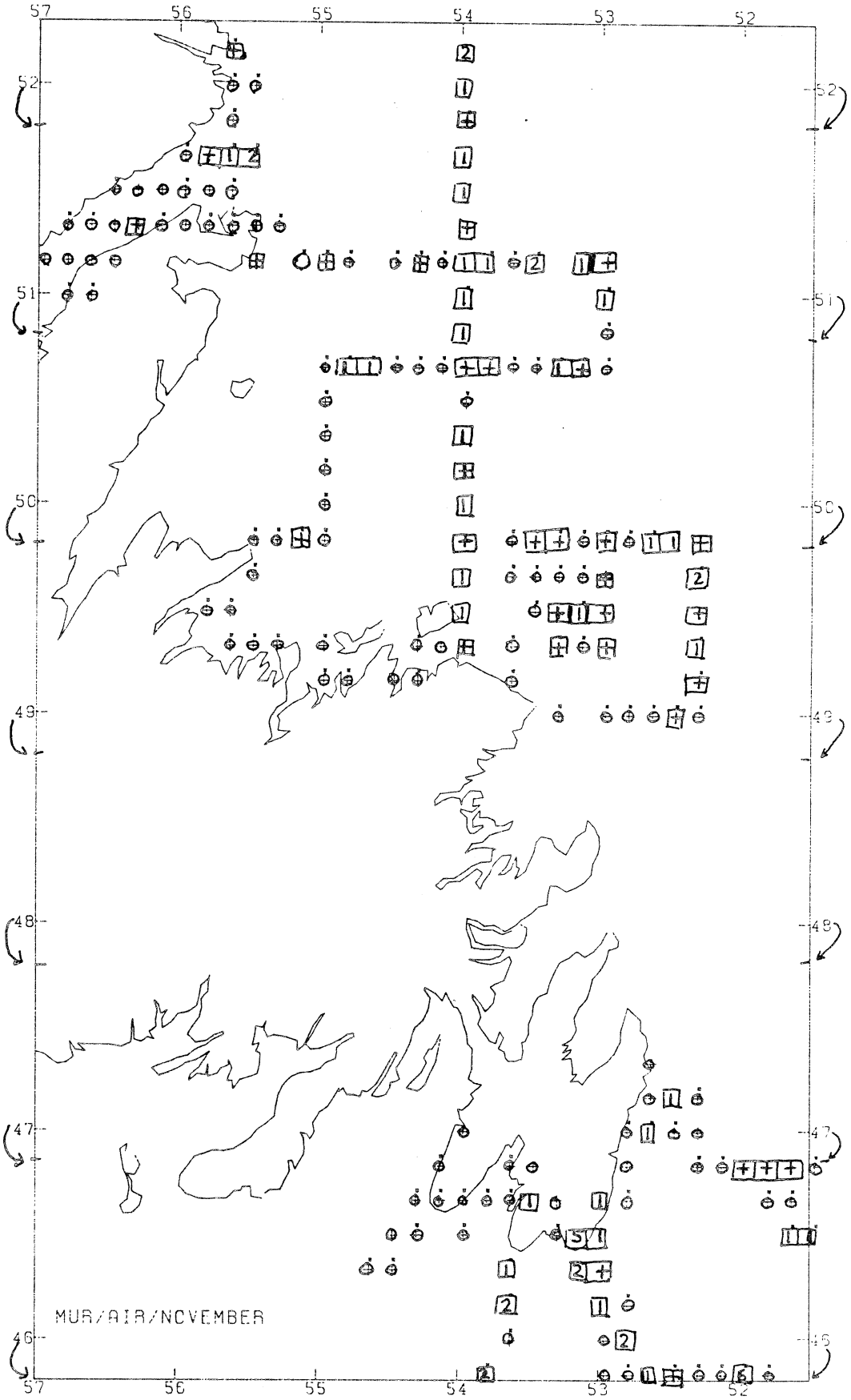

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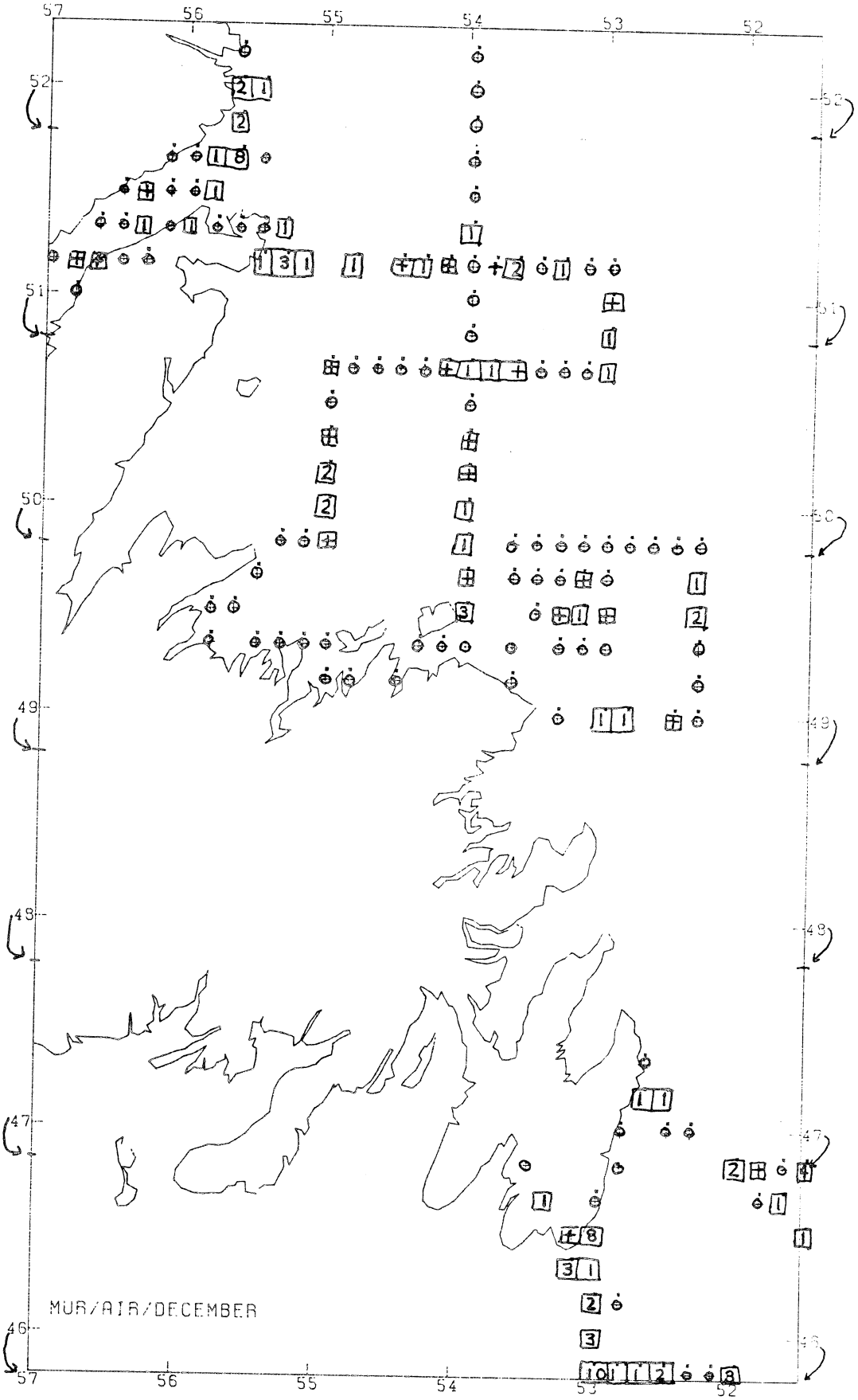


MURRE AIR JANUARY #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4650	5140	1	1.62	1.62
4650	5150	2	7.29	3.64
4630	5200	1	.81	.81
4600	5240	1	.81	.81
4700	5130	1	0.00	0.00
4700	5140	3	8.91	2.97
4600	5250	1	0.00	0.00
4700	5150	3	3.24	1.08
4610	5250	3	0.00	0.00
4620	5250	1	1.62	1.62
4600	5300	2	.81	.40
4650	5250	2	.81	.40
4610	5300	3	8.10	2.70
4700	5200	5	8.91	1.78
4620	5300	2	.81	.40
4700	5210	4	.81	.20
4710	5210	3	4.86	1.62
4630	5300	3	1.62	.54
4700	5220	1	1.62	1.62
4630	5310	1	0.00	0.00
4710	5220	4	0.00	0.00
4640	5300	5	7.29	1.21
4720	5220	2	0.00	0.00
4640	5310	8	6.48	.81
4650	5300	4	0.00	0.00
4700	5250	4	.81	.20
4720	5230	4	0.00	0.00
4640	5320	2	0.00	0.00
4710	5240	1	0.00	0.00
4710	5250	3	1.62	.54
4650	5320	8	0.00	0.00
4720	5240	3	0.00	0.00
4730	5240	4	40.50	10.12
4700	5330	8	.81	.10
4910	5220	1	0.00	0.00
4910	5230	1	2.43	2.43
4920	5220	1	.40	.40
4910	5240	1	0.00	0.00
4930	5220	1	0.00	0.00
4910	5250	1	2.02	2.02
4940	5220	2	0.00	0.00
4950	5220	1	0.00	0.00
4910	5310	1	.81	.81
5000	5220	3	0.00	0.00
4910	5320	2	0.00	0.00
4930	5300	2	0.00	0.00
5000	5230	1	.81	.81
4930	5310	1	.40	.40
4940	5300	3	.40	.13
5000	5240	1	.40	.40
4930	5320	1	0.00	0.00
4950	5300	2	0.00	0.00
4940	5310	2	4.86	2.43
5000	5250	2	0.00	0.00
4920	5340	2	0.00	0.00
4950	5310	3	1.62	.54
4940	5320	4	6.07	1.52
4930	5340	5	0.00	0.00
4950	5320	1	.40	.40
4940	5320	2	3.64	1.82
4950	5330	1	2.83	2.83
4950	5340	1	.40	.40
5000	5300	1	0.00	0.00
5000	5310	2	5.26	2.63
5000	5320	3	.81	.27
4930	5400	1	0.00	0.00
5000	5330	1	.81	.81
4920	5420	2	0.00	0.00
4930	5410	1	0.00	0.00
5000	5340	1	1.62	1.62
4920	5430	2	0.00	0.00
4930	5420	1	0.00	0.00
5000	5300	2	15.39	7.69
4920	5450	1	0.00	0.00
5050	5310	1	0.00	0.00
5050	5320	1	.81	.81
5050	5340	1	2.02	2.02
5050	5350	1	4.45	4.45
5100	5300	1	2.83	2.83
4920	5500	1	0.00	0.00
5110	5300	2	18.63	9.31
4930	5500	2	0.00	0.00
5120	5300	1	5.26	5.26
4930	5510	1	0.00	0.00
5030	5400	2	6.48	3.24
5120	5310	1	2.02	2.02
4930	5520	2	0.00	0.00
5040	5400	1	.40	.40
4930	5530	2	0.00	0.00
5050	5400	2	3.24	1.62
5120	5330	2	1.21	.61
4930	5540	1	0.00	0.00
5050	5410	1	0.00	0.00
5120	5340	1	.40	.40
4940	5540	1	0.00	0.00
4950	5530	2	0.00	0.00
5050	5420	1	0.00	0.00
4940	5550	2	0.00	0.00
4950	5540	1	0.00	0.00
5050	5440	1	0.00	0.00
5000	5500	3	0.00	0.00
5050	5450	1	0.00	0.00
5100	5400	2	2.43	1.21
5000	5510	1	0.00	0.00
5010	5500	1	.40	.40
5110	5400	2	2.83	1.42
5000	5520	1	.40	.40
5020	5500	2	1.21	.61
5120	5400	2	6.07	3.04
5030	5500	1	0.00	0.00
5120	5410	1	.40	.40
5130	5400	2	2.02	1.01
5040	5500	2	1.21	.61
5120	5420	1	0.00	0.00
5140	5400	1	4.45	4.45
5050	5500	1	0.00	0.00
5120	5430	1	6.48	6.48
5150	5400	1	.81	.81
5120	5440	1	6.07	6.07
5200	5400	2	.40	.20
5210	5400	2	11.34	5.67
5120	5500	2	0.00	0.00
5220	5400	1	3.64	3.64

MURRE AIR JAN #2

AVERAGE /Km

M.2

5150	5530	1	0.00	0.00
5120	5530	3	3.24	1.08
5130	5520	1	.40	.40
5130	5530	1	0.00	0.00
5130	5540	1	0.00	0.00
5130	5550	1	0.00	0.00
5150	5530	1	.40	.40
5140	5540	1	0.00	0.00
5140	5550	4	0.00	0.00
5150	5540	3	0.00	0.00
5150	5550	4	.40	.10
5130	5600	3	0.00	0.00
5120	5520	2	0.00	0.00
5130	5610	3	0.00	0.00
5140	5600	3	0.00	0.00
5200	5540	3	0.00	0.00
5210	5530	1	0.00	0.00
5110	5540	1	0.00	0.00
5120	5530	5	0.00	0.00
5140	5610	3	.40	.13
5150	5600	1	.40	.40
5130	5620	2	0.00	0.00
5120	5540	4	.40	.10
5130	5630	3	0.00	0.00
5140	5620	3	0.00	0.00
5110	5650	1	0.00	0.00
5220	5540	3	0.00	0.00
5120	5650	6	0.00	0.00
5130	5640	2	0.00	0.00
5140	5630	1	.40	.40
5110	5700	1	0.00	0.00
5120	5700	1	0.00	0.00

MURRE
AIR
JANUARY
#3

AVERAGE
/km.

M.2

AIRCRAFT FEBRUARY #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4500	5130	1	1.62	1.62
4500	5140	1	0.00	0.00
4640	5130	2	3.24	1.62
4640	5140	1	.81	.81
4650	5140	1	2.43	2.43
4600	5200	1	0.00	0.00
4650	5150	2	12.96	6.48
4600	5210	1	3.24	3.24
4600	5240	2	1.62	.81
4700	5150	1	0.00	0.00
4610	5250	3	6.48	2.16
4600	5300	3	7.29	2.43
4550	5250	1	0.00	0.00
4610	5300	2	0.00	0.00
4700	5200	3	3.24	1.08
4700	5210	3	.81	.27
4520	5300	4	15.39	3.85
4630	5300	2	0.00	0.00
4710	5210	1	0.00	0.00
4710	5220	3	1.62	.54
4640	5300	3	0.00	0.00
4600	5350	1	.81	.81
4610	5340	2	3.24	1.62
4640	5310	5	0.00	0.00
4550	5300	2	0.00	0.00
4610	5350	1	0.00	0.00
4700	5250	1	0.00	0.00
4720	5230	4	1.62	.40
4620	5340	1	6.48	6.48
4710	5250	1	0.00	0.00
4720	5240	2	0.00	0.00
4630	5340	2	0.00	0.00
4650	5320	3	0.00	0.00
4650	5350	1	0.00	0.00
4640	5400	3	0.00	0.00
4700	5330	4	0.00	0.00
4700	5340	1	0.00	0.00
4650	5400	1	0.00	0.00
4640	5420	1	0.00	0.00
4630	5430	1	0.00	0.00
4620	5450	2	0.00	0.00
4630	5440	3	0.00	0.00
4650	5420	2	1.62	.81
4600	5510	2	0.00	0.00
4610	5500	2	.81	.40
4600	5520	1	0.00	0.00
4610	5510	1	0.00	0.00
4700	5410	1	0.00	0.00
4710	5400	3	17.82	5.94
4910	5220	2	3.64	1.82
4910	5230	1	6.48	6.48
4920	5220	2	1.62	.81
4910	5240	1	.40	.40
4930	5220	1	13.77	13.77
4910	5250	1	1.21	1.21
4940	5220	1	3.64	3.64
4950	5220	2	6.48	3.24
4910	5310	1	.40	.40
5000	5220	1	.40	.40

MURRE AIR FEB. #2

4910	5320	2	0.00	0.00
4930	5400	1	.81	.81
5000	5230	1	2.02	2.02
4930	5370	1	0.00	0.00
4940	5300	3	8.91	2.97
5000	5240	1	7.29	7.29
4930	5320	1	0.00	0.00
4950	5300	2	2.02	1.01
4940	5310	1	.40	.40
4920	5340	1	0.00	0.00
4940	5320	2	.81	.40
4950	5310	2	3.64	1.82
4930	5340	1	0.00	0.00
4950	5320	1	0.00	0.00
4940	5340	1	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	1	0.00	0.00
5000	5300	2	5.26	2.63
5000	5320	1	2.83	2.83
4930	5400	1	.40	.40
5000	5330	1	0.00	0.00
4920	5420	1	0.00	0.00
4930	5410	1	1.21	1.21
4940	5400	2	.40	.20
5000	5340	1	2.02	2.02
4920	5430	1	0.00	0.00
4950	5400	2	0.00	0.00
5050	5300	3	.40	.13
4920	5450	1	0.00	0.00
5050	5310	2	0.00	0.00
5050	5320	1	.40	.40
5050	5330	1	0.00	0.00
5050	5340	1	0.00	0.00
5000	5400	1	0.00	0.00
5050	5350	2	.81	.40
5100	5300	2	0.00	0.00
5010	5400	3	.81	.27
4920	5500	1	0.00	0.00
5110	5300	3	0.00	0.00
5020	5400	2	0.00	0.00
4930	5500	1	0.00	0.00
5120	5300	1	0.00	0.00
4930	5510	1	0.00	0.00
5030	5400	1	1.62	1.62
5120	5310	1	0.00	0.00
4930	5520	1	0.00	0.00
5040	5400	2	5.67	2.83
5120	5320	2	0.00	0.00
4930	5530	1	.81	.81
5050	5400	2	0.00	0.00
4930	5540	1	.40	.40
5050	5410	1	0.00	0.00
5120	5340	1	0.00	0.00
4950	5530	1	0.00	0.00
5050	5420	1	0.00	0.00
5120	5350	1	0.00	0.00
4940	5550	2	.81	.40
4950	5540	1	.40	.40
5050	5430	1	0.00	0.00
5050	5440	1	0.00	0.00
5000	5500	3	0.00	0.00
5050	5450	1	0.00	0.00
5100	5400	2	0.00	0.00
5010	5500	3	0.00	0.00
5110	5400	2	0.00	0.00

AVERAGE /km.

M.2

5000	5520	2	0.00	0.00
5020	5500	3	.40	.20
5120	5400	2	0.00	0.00
5030	5500	2	0.00	0.00
5120	5410	2	0.00	0.00
5130	5400	3	.40	.20
5040	5500	2	0.00	0.00
5120	5420	1	0.00	0.00
5140	5400	1	0.00	0.00
5050	5500	2	0.00	0.00
5150	5400	2	0.00	0.00
5120	5440	1	0.00	0.00
5120	5450	2	0.00	0.00
5200	5400	2	0.00	0.00
5210	5400	1	0.00	0.00
5120	5500	1	0.00	0.00
5220	5400	1	0.00	0.00
5120	5510	2	0.00	0.00
5120	5520	3	.40	.13
5120	5530	1	0.00	0.00
5130	5520	2	0.00	0.00
5130	5530	1	0.00	0.00
5130	5540	1	0.00	0.00
5130	5550	1	.81	.81
5150	5530	1	0.00	0.00
5140	5540	3	0.00	0.00
5140	5550	2	0.00	0.00
5150	5540	4	0.00	0.00
5150	5550	3	0.00	0.00
5130	5600	2	0.00	0.00
5120	5620	2	0.00	0.00
5130	5610	1	0.00	0.00
5140	5600	1	0.00	0.00
5200	5540	2	0.00	0.00
5210	5530	1	0.00	0.00
5110	5640	5	0.00	0.00
5120	5630	5	.40	.08
5140	5610	2	0.00	0.00
5150	5600	2	0.00	0.00
5200	5550	2	0.00	0.00
5120	5540	2	0.00	0.00
5130	5630	3	0.00	0.00
5140	5620	1	0.00	0.00
5150	5610	2	0.00	0.00
5220	5540	7	0.00	0.00
5120	5650	1	0.00	0.00
5130	5640	1	0.00	0.00
5140	5630	2	0.00	0.00
5130	5620	1	0.00	0.00
5110	5650	1	0.00	0.00
5110	5700	1	0.00	0.00
5120	5700			

MURRES
AIR
FEBRUARY
#3

AVERAGE
/km.

M.2

MURRE AIR MARCH #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4500	5130	1	0.00	0.00
4600	5140	2	0.00	0.00
4640	5130	1	0.00	0.00
4650	5140	1	0.00	0.00
4600	5200	1	.81	.81
4650	5150	4	.81	.20
4600	5210	1	.81	.81
4600	5220	1	0.00	0.00
4600	5230	1	.81	.81
4600	5240	2	1.62	.81
4700	5130	2	2.43	1.21
4700	5140	5	8.91	1.78
4600	5250	1	0.00	0.00
4700	5150	4	.81	.20
4610	5250	3	.81	.27
4620	5250	3	.81	.27
4630	5250	2	0.00	0.00
4640	5250	3	3.24	1.08
4600	5300	4	6.48	1.62
4650	5250	5	1.62	.27
4610	5300	2	.81	.40
4700	5200	6	1.62	.27
4700	5210	7	.81	.12
4620	5300	8	3.24	.40
4700	5220	3	1.62	.54
4710	5210	3	0.00	0.00
4630	5300	9	19.44	2.16
4710	5220	5	0.00	0.00
4640	5300	9	29.97	3.33
4630	5310	4	40.50	10.12
4600	5350	6	18.63	3.10
4700	5240	1	0.00	0.00
4720	5220	2	0.00	0.00
4650	5300	7	4.86	.69
4710	5230	1	0.00	0.00
4610	5350	1	0.00	0.00
4700	5250	8	2.43	.30
4720	5230	6	.81	.13
4710	5240	6	5.67	.94
4610	5340	4	4.86	1.21
4620	5340	4	5.67	1.42
4710	5250	5	45.36	9.07
4720	5240	8	7.29	.91
4630	5340	7	23.49	3.36
4730	5230	1	0.00	0.00
4630	5320	1	0.00	0.00
4640	5340	5	16.20	3.24
4730	5240	5	0.00	0.00
4630	5330	2	0.00	0.00
4640	5330	2	0.00	0.00
4650	5330	1	0.00	0.00
4640	5350	1	.81	.81
4650	5340	5	0.00	0.00
4650	5350	1	0.00	0.00
4640	5400	1	.81	.81
4700	5330	1	0.00	0.00
4700	5340	1	0.00	0.00
4620	5440	1	1.62	1.62
4640	5420	2	0.00	0.00

MURRE AIR MARCH #2

4650	5410	3	2.43	.81
4630	5430	1	.81	.81
4620	5450	4	0.00	0.00
4630	5440	3	1.62	.54
4640	5430	2	0.00	0.00
4650	5420	2	12.15	6.07
4600	5510	2	0.00	0.00
4610	5500	3	.81	.27
4610	5510	1	0.00	0.00
4620	5500	1	.81	.81
4700	5410	4	4.86	1.21
4710	5400	5	0.00	0.00
4710	5420	1	.81	.81
4700	5430	1	0.00	0.00
4700	5440	1	0.00	0.00
4700	5450	1	0.00	0.00
4650	5510	1	0.00	0.00
4910	5220	1	0.00	0.00
4910	5230	1	0.00	0.00
4920	5220	2	1.21	.61
4910	5240	1	5.07	6.07
4930	5220	1	0.00	0.00
4940	5220	1	.40	.40
4950	5220	2	.40	.20
4700	5500	1	2.43	2.43
4910	5300	1	6.88	6.88
4910	5310	1	.81	.81
5000	5220	1	.81	.81
4910	5320	1	0.00	0.00
4930	5300	2	40.50	20.25
5000	5230	1	0.00	0.00
4930	5310	1	1.21	1.21
4940	5300	3	27.94	9.31
5000	5240	1	0.00	0.00
4930	5320	1	0.00	0.00
4950	5300	1	.40	.40
4940	5310	1	19.84	19.84
5000	5250	1	0.00	0.00
4920	5340	1	0.00	0.00
4950	5310	2	0.00	0.00
4940	5320	3	2.83	.94
4930	5340	1	0.00	0.00
4940	5330	1	.81	.81
4950	5330	1	1.62	1.62
4950	5340	1	.40	.40
5000	5300	1	0.00	0.00
5000	5320	1	.40	.40
4930	5400	3	0.00	0.00
5000	5330	1	.40	.40
4920	5420	1	0.00	0.00
4930	5410	1	0.00	0.00
4940	5400	1	0.00	0.00
5000	5340	1	1.62	1.62
4920	5430	1	0.00	0.00
4950	5400	2	0.00	0.00
5050	5300	2	0.00	0.00
4920	5450	1	0.00	0.00
5050	5310	1	0.00	0.00
5050	5320	1	0.00	0.00
5050	5340	1	0.00	0.00
5000	5400	2	0.00	0.00
5050	5350	1	0.00	0.00
5100	5300	2	0.00	0.00
5010	5400	1	0.00	0.00
4920	5500	1	0.00	0.00

AVERAGE /km.

M.2

5110	5300		1	0.00	0.00
5020	5400		2	.40	.20
4930	5500		2	11.34	5.67
5120	5300		1	0.00	0.00
5030	5400	MURRE	1	0.00	0.00
5120	5310		1	0.00	0.00
4930	5520	AIR	2	0.00	0.00
5040	5400		2	.40	.20
5120	5320	MARCH	1	0.00	0.00
4930	5530		1	0.00	0.00
5050	5400	#3	3	.40	.13
5120	5330		1	0.00	0.00
4930	5540		1	0.00	0.00
5050	5410		2	0.00	0.00
5120	5340		1	0.00	0.00
4940	5540		1	0.00	0.00
4950	5530		2	0.00	0.00
5120	5350		1	0.00	0.00
4940	5550		1	0.00	0.00
5050	5430		1	0.00	0.00
5050	5440		1	0.00	0.00
5000	5500		2	2.43	1.21
5100	5400		2	0.00	0.00
5010	5500		1	0.00	0.00
5000	5510		1	0.00	0.00
5110	5400		2	0.00	0.00
5000	5520		2	0.00	0.00
5020	5500		1	.81	.81
5120	5400		3	0.00	0.00
5030	5500		2	.81	.40
5120	5410		1	0.00	0.00
5130	5400		3	0.00	0.00
5040	5500		2	0.00	0.00
5120	5420		1	0.00	0.00
5140	5400		2	0.00	0.00
5050	5500		1	0.00	0.00
5120	5430		1	.81	.81
5150	5400		2	0.00	0.00
5120	5440		1	0.00	0.00
5200	5400		2	0.00	0.00
5210	5400		3	0.00	0.00
5120	5500		1	0.00	0.00
5220	5400		2	0.00	0.00
5120	5510		1	0.00	0.00
5120	5520		1	0.00	0.00
5120	5530		2	0.00	0.00
5130	5520		1	0.00	0.00
5130	5530		1	0.00	0.00
5130	5540		1	0.00	0.00
5130	5550		3	0.00	0.00
5150	5530		1	0.00	0.00
5140	5540		1	0.00	0.00
5140	5550		2	0.00	0.00
5150	5540		3	.81	.27
5150	5550		3	0.00	0.00
5130	5600		3	.81	.27
5130	5610		2	45.76	22.88
5120	5620		2	132.42	66.21
5140	5600		3	0.00	0.00
5200	5540		1	0.00	0.00
5120	5630		3	.40	.13
5130	5620		4	0.00	0.00
5150	5600		2	0.00	0.00
5210	5540		1	0.00	0.00
5120	5640		5	0.00	0.00

AVERAGE /km.

5130	5630		2	0.00	0.00
5140	5630		5	0.00	0.00
5150	5610		1	0.00	0.00
5110	5650		1	0.00	0.00
5120	5650		5	0.00	0.00
5130	5640		3	0.00	0.00
5140	5630		1	0.00	0.00
5220	5640		2	0.00	0.00
5200	5550		1	0.00	0.00
5110	5700		1	0.00	0.00
5120	5700		1	0.00	0.00

MURRES AIR MARCH #4

AVERAGE /km.

M.2

MURRES AIRBORNE #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5150	2	0.00	0.00
4640	5130	1	0.00	0.00
4640	5140	1	0.00	0.00
4650	5140	3	0.00	0.00
4650	5150	3	1.62	.54
4600	5240	5	4.05	.81
4700	5130	2	0.00	0.00
4700	5140	3	1.62	.54
4600	5250	1	1.62	1.62
4700	5150	3	0.00	0.00
4610	5250	2	9.72	4.86
4620	5250	3	4.05	1.35
4600	5300	3	3.24	1.08
4650	5250	1	.81	.81
4600	5310	2	30.78	15.39
4610	5300	1	.81	.81
4700	5200	8	8.10	1.01
4610	5310	2	13.77	6.88
4700	5210	4	.81	.20
4620	5300	5	12.96	2.59
4700	5220	2	2.43	1.21
4710	5210	3	0.00	0.00
4630	5300	2	.81	.40
4620	5310	2	23.49	11.74
4710	5220	4	1.62	.40
4640	5300	2	1.62	.81
4630	5310	4	4.86	1.21
4720	5220	3	2.43	.81
4650	5300	1	0.00	0.00
4640	5310	10	25.11	2.51
4710	5230	1	0.00	0.00
4700	5250	4	4.05	1.01
4720	5230	7	0.00	0.00
4710	5240	1	.81	.81
4640	5320	7	8.10	1.16
4710	5250	2	0.00	0.00
4720	5240	4	.81	.20
4650	5320	4	18.63	4.66
4730	5240	5	1.62	.32
4650	5330	12	18.63	1.55
4650	5340	1	0.00	0.00
4700	5340	11	0.00	0.00
4700	5350	2	0.00	0.00
4910	5210	2	0.00	0.00
4910	5220	3	4.45	1.48
4920	5210	2	.40	.20
4910	5230	2	8.10	4.05
4930	5210	2	.40	.20
4920	5220	2	.40	.20
4910	5240	2	0.00	0.00
4940	5210	2	0.00	0.00
4930	5220	2	0.00	0.00
4910	5250	2	1.21	.61
4950	5210	1	0.00	0.00
4940	5220	3	.40	.13
4950	5220	1	0.00	0.00
4910	5300	2	15.79	7.90
5000	5210	2	0.00	0.00
4910	5310	2	2.83	1.42

MURRE AIR APRIL #2

5010	5210	1	0.51	.81
5000	5220	3	0.00	0.00
4910	5320	3	57.10	19.03
4930	5300	1	.81	.81
5010	5220	2	0.00	0.00
5000	5230	2	844.75	422.38
4930	5310	6	12.96	2.16
4940	5300	1	0.00	0.00
5010	5230	3	.40	.13
4930	5320	3	0.00	0.00
4950	5300	1	.81	.81
4940	5310	1	0.00	0.00
5010	5240	2	0.00	0.00
5000	5250	2	0.00	0.00
4930	5330	6	.40	.07
4950	5310	4	0.00	0.00
4920	5340	1	0.00	0.00
5010	5250	3	0.00	0.00
4940	5320	4	7.69	1.92
4930	5340	1	0.00	0.00
4950	5320	1	0.00	0.00
4940	5330	1	0.00	0.00
4940	5340	3	2.83	.94
4950	5330	3	2.02	.67
4950	5340	1	0.00	0.00
5000	5300	1	.40	.40
5010	5300	2	0.00	0.00
5000	5310	1	0.00	0.00
5010	5310	4	0.00	0.00
4930	5400	2	1.21	.61
5010	5320	3	0.00	0.00
4920	5420	2	0.00	0.00
4930	5410	3	2.02	.67
4940	5400	2	0.00	0.00
5000	5330	2	.40	.20
5010	5330	3	2.43	.81
5000	5340	3	0.00	0.00
4920	5430	3	1.21	.40
4950	5400	1	0.00	0.00
5010	5340	4	.81	.20
5050	5300	3	.40	.13
5050	5310	1	0.00	0.00
4920	5450	1	3.24	3.24
5050	5320	3	7.29	2.43
5050	5330	2	4.45	2.23
5050	5340	4	0.00	0.00
5000	5400	4	1.62	.40
5050	5350	3	.40	.13
5100	5300	2	.40	.20
5010	5400	1	0.00	0.00
4920	5500	3	3.24	1.08
5110	5300	3	1.62	.54
5020	5400	2	.40	.20
4930	5500	2	1.62	.81
5120	5300	3	.40	.13
5030	5400	3	0.00	0.00
4930	5510	2	5.67	2.83
5120	5310	4	1.21	.30
5040	5400	1	0.00	0.00
4930	5520	2	14.17	7.09
5120	5320	2	0.00	0.00
4930	5530	4	.81	.20
5050	5400	2	.40	.20
5120	5330	4	0.00	0.00
4930	5540			

AVERAGE /Km.

M.2

Murre Air April #3

5050	5410	2	0.00	0.00
5120	5340	8	13.36	6.68
4950	5330	4	.40	.10
5050	5420	2	4.05	2.02
5120	5350	2	.40	.20
4940	5550	4	.40	.10
4950	5540	1	0.00	0.00
5050	5430	2	2.43	1.21
5050	5440	3	42.93	14.31
5000	5500	4	1.62	.40
5050	5450	2	38.88	19.44
5100	5400	4	.40	.10
5010	5500	4	4.45	1.11
5000	5510	2	4.05	2.02
5110	5400	3	0.00	0.00
5000	5520	2	3.24	1.62
5020	5500	3	6.48	2.16
5120	5400	6	.81	.13
5000	5530	2	0.00	0.00
5030	5500	4	8.10	2.02
5120	5410	3	8.91	2.97
5130	5400	3	2.02	.67
5040	5500	2	6.88	3.44
5140	5400	4	0.00	0.00
5120	5420	2	5.26	2.63
5050	5500	2	14.17	7.09
5120	5430	3	3.24	1.08
5150	5400	4	0.00	0.00
5120	5440	3	14.98	4.99
5120	5450	2	1.62	.81
5200	5400	3	0.00	0.00
5210	5400	4	0.00	0.00
5120	5500	2	9.31	4.66
5220	5400	3	0.00	0.00
5120	5510	3	2.43	.81
5120	5520	3	2.02	.67
5120	5530	5	3.64	.73
5130	5520	3	0.00	0.00
5130	5530	4	0.00	0.00
5130	5540	2	0.00	0.00
5130	5550	5	0.00	0.00
5150	5530	5	7.29	1.46
5140	5540	2	0.00	0.00
5140	5550	5	1.21	.24
5150	5540	3	2.02	.67
5150	5550	8	5.26	.66
5130	5600	6	.81	.13
5130	5610	4	0.00	0.00
5120	5620	3	0.00	0.00
5140	5600	4	0.00	0.00
5200	5540	3	1.21	.40
5210	5530	2	.81	.40
5120	5630	5	38.88	7.78
5110	5640	2	0.00	0.00
5140	5610	5	0.00	0.00
5150	5600	2	0.00	0.00
5200	5550	1	0.00	0.00
5120	5640	7	46.17	6.60
5110	5650	3	0.00	0.00
5140	5620	5	2.43	.49
5150	5610	1	0.00	0.00
5210	5540	2	3.24	1.62
5120	5650	12	1.62	.13
5130	5640	5	2.43	.49
5140	5630	2	0.00	0.00

Average /km

Murres Air April #4

5240	5540	4	6.83	.71
5130	5620	7	4.05	.58
5130	5630	4	.40	.10
5110	5700	1	0.00	0.00
5120	5700	3	0.00	0.00

Average /km.

M.2

MURRAY AIR MAY #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5130	1	0.00	0.00
4600	5140	1	0.00	0.00
4640	5130	2	3.24	1.62
4640	5140	2	0.00	0.00
4650	5140	2	.81	.40
4650	5150	2	0.00	0.00
4600	5240	2	0.00	0.00
4700	5130	1	0.00	0.00
4700	5140	4	4.86	1.21
4700	5150	3	5.67	1.89
4610	5250	2	11.34	5.67
4620	5250	1	0.00	0.00
4600	5300	1	0.00	0.00
4650	5250	1	0.00	0.00
4610	5300	1	0.00	0.00
4700	5200	5	0.00	0.00
4620	5300	3	21.87	7.29
4700	5210	1	2.43	2.43
4710	5210	4	.81	.20
4630	5300	4	6.48	1.62
4700	5220	1	.81	.81
4710	5220	5	26.73	5.35
4630	5310	2	0.00	0.00
4640	5300	2	3.24	1.62
4720	5220	3	2.43	.81
4640	5310	3	0.00	0.00
4650	5300	1	0.00	0.00
4700	5250	3	2.43	.81
4720	5230	4	.81	.20
4640	5320	1	0.00	0.00
4710	5240	2	60.75	30.37
4650	5320	2	0.00	0.00
4720	5240	1	0.00	0.00
4730	5240	3	4.86	1.62
4650	5330	4	4.86	1.21
4650	5350	2	0.00	0.00
4640	5400	1	0.00	0.00
4700	5340	5	0.00	0.00
4650	5400	2	0.00	0.00
4700	5350	1	0.00	0.00
4650	5410	2	0.00	0.00
4630	5440	2	0.00	0.00
4650	5420	1	0.00	0.00
4610	5500	1	0.00	0.00
4700	5410	1	1.62	1.62
4710	5400	2	.81	.40
4910	5210	2	.81	.40
4910	5220	2	2.83	1.42
4920	5210	2	.40	.20
4910	5230	1	.40	.40
4930	5210	3	.40	.13
4910	5240	1	1.21	1.21
4940	5210	2	.40	.20
4910	5250	2	.40	.20
4950	5210	2	1.21	.61
4910	5300	1	0.00	0.00
5000	5210	2	0.00	0.00
4910	5310	3	.40	.13
5010	5210	4	0.00	0.00

MURRAY AIR MAY #2

4910	5320	2	0.00	0.00
4930	5300	1	.81	.40
5010	5220	2	3.24	1.08
4930	5310	3	.81	.16
4940	5300	5	0.00	0.00
5010	5230	2	40.90	10.23
4930	5320	4	.40	.13
4950	5300	3	0.00	0.00
5010	5240	3	12.95	6.48
4930	5330	2	0.00	0.00
4950	5310	2	2.83	.71
4920	5340	4	0.00	0.00
5010	5250	3	20.65	4.13
4930	5340	5	3.24	.81
4950	5320	4	3.64	1.82
4950	5330	2	13.77	3.44
4950	5340	4	4.45	2.23
5010	5300	2	1.62	.40
5010	5310	4	0.00	0.00
4920	5410	2	22.68	4.54
4930	5400	5	0.00	0.00
5010	5320	1	0.00	0.00
4920	5420	1	4.45	4.45
4930	5410	1	21.46	7.15
4940	5400	3	0.00	0.00
5010	5330	1	8.50	1.70
5000	5340	5	0.00	0.00
4920	5430	1	15.79	3.95
4950	5400	4	0.00	0.00
5010	5340	1	0.00	0.00
5050	5300	1	0.00	0.00
4920	5450	2	0.00	0.00
5050	5310	2	0.00	0.00
5050	5320	1	1.62	.81
5050	5330	2	1.21	.40
5000	5400	3	.40	.20
5050	5350	2	0.00	0.00
5010	5400	3	0.00	0.00
4920	5500	3	2.43	.49
5020	5400	5	0.00	0.00
4930	5500	3	.40	.10
5030	5400	4	0.00	0.00
4930	5510	4	0.00	0.00
5040	5400	3	0.00	0.00
4930	5520	1	0.00	0.00
5120	5320	3	1.62	.40
4930	5530	4	2.83	.47
5050	5400	6	0.00	0.00
5120	5330	1	0.00	0.00
4930	5540	2	0.00	0.00
5050	5410	2	.40	.20
5120	5340	2	0.00	0.00
4930	5550	1	0.00	0.00
4940	5540	2	0.00	0.00
4950	5530	5	0.00	0.00
5120	5350	2	0.00	0.00
5050	5420	2	1.21	.24
4940	5550	5	0.00	0.00
5050	5430	4	0.00	0.00
4950	5540	1	0.00	0.00
5050	5440	2	9.72	1.39
5000	5500	7	2.43	.61
5050	5450	4	2.02	.67
5100	5400	3	0.00	0.00
5010	5500	4		

AVERAGE → 0.80 .40 1.08 .16 0.00 10.23 .13 0.00 6.48 0.00 .71 0.00 4.13 .81 1.62 3.44 2.23 .40 0.00 4.54 0.00 0.00 4.45 7.15 0.00 1.70 0.00 3.95 0.00 0.00 0.00 0.00 .81 .40 .20 0.00 0.00 .49 0.00 .10 0.00 0.00 0.00 0.00 .40 .47 0.00 0.00 0.00 .20 0.00 0.00 0.00 0.00 .24 0.00 0.00 0.00 1.39 .61 .67 0.00

/km.

M.2

MURRES AIR MAY #3

5000	5510	3	3.24	1.08
5110	5400	5	4.45	.89
5000	5520	2	0.00	0.00
5020	5500	5	1.21	.24
5120	5400	5	5.67	1.13
5000	5530	2	0.00	0.00
5030	5500	2	1.21	.61
5120	5410	3	0.00	0.00
5130	5400	4	8.50	2.13
5040	5500	6	0.00	0.00
5140	5400	4	.81	.20
5120	5420	3	0.00	0.00
5050	5500	2	1.21	.61
5120	5430	3	0.00	0.00
5150	5400	5	10.12	2.02
5120	5440	4	9.72	2.43
5120	5450	2	1.21	.61
5200	5400	2	.40	.20
5210	5400	1	0.00	0.00
5120	5500	4	6.07	1.52
5120	5510	2	.81	.40
5120	5520	3	.40	.13
5120	5530	7	.81	.12
5130	5520	3	0.00	0.00
5130	5530	3	0.00	0.00
5130	5540	2	0.00	0.00
5130	5550	3	0.00	0.00
5150	5530	3	3.24	1.08
5140	5550	4	4.05	1.01
5150	5540	4	27.54	6.88
5150	5550	7	3.24	.46
5130	5600	4	2.02	.51
5130	5610	3	0.00	0.00
5120	5620	3	0.00	0.00
5140	5600	2	0.00	0.00
5200	5540	2	1.62	.81
5210	5530	2	0.00	0.00
5120	5630	7	8.91	1.27
5130	5620	7	.81	.12
5110	5640	1	0.00	0.00
5150	5600	1	0.00	0.00
5200	5550	2	0.00	0.00
5110	5650	5	0.00	0.00
5130	5530	2	0.00	0.00
5140	5620	8	1.62	.20
5150	5610	1	0.00	0.00
5220	5540	2	0.00	0.00
5120	5550	6	8.10	1.35
5130	5640	1	0.00	0.00
5140	5510	3	.81	.27
5120	5540	3	0.00	0.00
5210	5540	1	1.21	1.21
5120	5700	1	0.00	0.00

AVERAGE /km.

AIR SUR #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4850	5140	2	0.00	0.00
4850	5150	2	0.00	0.00
4900	5210	1	0.00	0.00
4600	5220	1	0.00	0.00
4700	5140	1	0.00	0.00
4700	5150	1	0.00	0.00
4700	5200	4	1.62	.40
4700	5210	2	6.48	3.24
4700	5220	1	.81	.81
4710	5210	1	0.00	0.00
4710	5220	3	.81	.27
4710	5230	1	0.00	0.00
4720	5220	1	.81	.81
4720	5230	4	2.43	.61
4710	5240	2	0.00	0.00
4720	5240	2	0.00	0.00
4730	5240	2	0.00	0.00
4910	5210	5	.81	.16
4910	5220	5	1.21	.24
4920	5210	5	.40	.08
4910	5230	6	12.55	2.09
4930	5210	3	.40	.13
4920	5220	2	0.00	0.00
4910	5240	4	7.69	1.92
4940	5210	4	.40	.10
4930	5220	1	0.00	0.00
4910	5250	4	8.10	2.02
4950	5210	5	.81	.16
4940	5220	2	0.00	0.00
4950	5220	2	.40	.20
4910	5300	5	12.15	2.43
5000	5210	3	0.00	0.00
4910	5310	4	50.22	12.55
5010	5210	2	.40	.20
5000	5220	2	0.00	0.00
4910	5320	6	44.55	7.42
4930	5300	5	38.47	7.69
5010	5220	1	0.00	0.00
5000	5230	2	0.00	0.00
4930	5310	1	2.83	2.83
4940	5300	6	10.12	1.69
5010	5230	1	0.00	0.00
5000	5240	1	0.00	0.00
4930	5320	5	40.90	8.18
4950	5300	6	3.64	.61
4940	5310	2	40.09	20.05
5010	5240	1	0.00	0.00
5000	5250	1	0.00	0.00
4930	5330	2	2.02	1.01
4950	5310	4	1.21	.30
4920	5340	5	.81	.16
5010	5250	2	0.00	0.00
4940	5320	3	5.67	1.89
4930	5340	6	2.83	.47
4950	5320	2	1.62	.81
4940	5330	2	2.43	1.21
4950	5330	4	32.40	8.10
4950	5340	3	21.46	7.15
5000	5300	1	0.00	0.00

MURRES AIR JUNE #2

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
5010	5300	5	3.00	0.60
5000	5310	5	3.03	1.01
5010	5310	2	2.43	1.21
5000	5320	1	0.00	0.00
4930	5400	3	.81	.27
5010	5320	1	0.00	0.00
4920	5420	3	0.00	0.00
4930	5410	2	0.00	0.00
4940	5400	3	16.22	8.07
5000	5330	2	0.00	0.00
5010	5330	2	.40	.20
5000	5340	5	3.64	.73
4920	5430	2	0.00	0.00
4930	5420	1	0.00	0.00
4950	5400	2	3.64	1.82
5050	5300	3	0.00	0.00
4920	5450	2	0.00	0.00
5050	5310	2	0.00	0.00
5050	5320	2	0.00	0.00
5050	5330	3	0.00	0.00
5050	5340	2	0.00	0.00
5000	5400	3	.40	.13
5050	5350	2	1.21	.61
5100	5300	5	0.00	0.00
5010	5400	4	2.02	.51
4920	5500	5	0.00	0.00
5110	5300	4	0.00	0.00
5020	5400	2	0.00	0.00
4930	5500	2	.81	.40
5120	5300	3	.40	.13
4930	5510	2	0.00	0.00
5030	5400	2	0.00	0.00
5120	5310	3	0.00	0.00
4930	5520	3	0.00	0.00
5040	5400	3	.81	.27
5120	5320	4	0.00	0.00
4930	5530	2	0.00	0.00
5050	5400	3	0.00	0.00
5120	5330	4	0.00	0.00
4930	5540	3	0.00	0.00
5050	5410	2	2.02	1.01
5120	5340	4	.40	.10
4940	5540	1	.40	.40
4950	5530	4	.40	.10
5050	5420	2	0.00	0.00
5120	5350	3	0.00	0.00
4930	5550	1	0.00	0.00
4940	5550	5	.40	.08
5050	5430	2	0.00	0.00
4950	5540	1	0.00	0.00
5050	5440	2	0.00	0.00
5000	5500	6	0.00	0.00
5050	5450	3	0.00	0.00
5100	5400	4	.40	.10
5010	5500	3	0.00	0.00
5000	5510	2	0.00	0.00
5110	5400	2	0.00	0.00
5000	5520	2	1.21	.61
5020	5500	4	.40	.10
5120	5400	5	.40	.08
5030	5500	3	0.00	0.00
5120	5410	4	2.02	.51
5130	5400	3	0.00	0.00
5040	5500	5	1.62	.32
5120	5420	2	0.00	0.00

AVERAGE /km.

M.2

5140	5420		4	0.00	0.00
5120	5430		2	0.00	0.00
5150	5400		2	0.00	0.00
5120	5440	MURRES	2	0.00	0.00
5120	5450		2	0.00	0.00
5200	5400	AIR	5	0.00	0.00
5210	5400		3	.40	.13
5120	5500		3	.81	.27
5220	5400	JUNE	3	0.00	0.00
5120	5510		3	.40	.13
5120	5520	#3	2	3.24	1.62
5130	5520		3	0.00	0.00
5120	5530		7	.40	.06
5130	5530		2	0.00	0.00
5130	5540		2	0.00	0.00
5140	5540		3	42.52	14.17
5150	5530		6	117.44	19.57
5130	5550		4	0.00	0.00
5140	5550		8	18.63	2.33
5150	5540		3	80.59	26.86
5150	5550		11	6.89	.63
5130	5500		6	0.00	0.00
5130	5610		6	51.03	8.50
5140	5600		7	49.00	7.00
5120	5520		2	0.00	0.00
5200	5540		5	0.00	0.00
5210	5530		4	0.00	0.00
5120	5630		9	0.00	0.00
5140	5610		8	0.00	0.00
5150	5600		7	0.00	0.00
5130	5620		7	3.24	.46
5210	5540		1	2.43	2.43
5120	5640		8	2.83	.35
5130	5630		9	4.45	.49
5140	5620		8	0.00	0.00
5110	5650		4	0.00	0.00
5150	5610		2	0.00	0.00
5120	5650		16	5.26	.33
5140	5630		3	0.00	0.00
5130	5640		6	0.00	0.00
5220	5640		5	6.07	1.21
5200	5550		1	0.00	0.00
5110	5640		1	0.00	0.00
5120	5700		7	1.21	.17

AVERAGE /km.

M.2

AIRSOEY #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4640	5130	2	0.00	0.00
4640	5140	3	0.00	0.00
4650	5140	1	0.00	0.00
4650	5150	2	0.00	0.00
4700	5140	1	0.00	0.00
4700	5150	1	0.00	0.00
4620	5250	2	0.00	0.00
4600	5300	1	0.00	0.00
4650	5250	2	0.00	0.00
4700	5200	8	0.00	0.00
4700	5210	3	0.00	0.00
4630	5300	6	5.67	.94
4710	5210	5	0.00	0.00
4700	5220	2	.81	.40
4630	5310	5	.81	.16
4640	5300	3	0.00	0.00
4710	5220	4	2.43	.61
4640	5310	1	0.00	0.00
4650	5300	4	.81	.20
4720	5220	3	.81	.27
4630	5320	2	0.00	0.00
4700	5250	6	20.25	3.37
4710	5240	3	23.49	7.83
4640	5320	3	1.62	.54
4720	5230	9	4.05	.45
4630	5330	3	8.10	2.70
4710	5250	4	57.51	14.38
4720	5240	4	0.00	0.00
4640	5330	3	0.00	0.00
4630	5340	1	0.00	0.00
4710	5230	1	0.00	0.00
4640	5340	7	0.00	0.00
4730	5240	6	11.34	1.89
4650	5330	1	0.00	0.00
4650	5340	5	0.00	0.00
4700	5330	1	0.00	0.00
4700	5340	1	0.00	0.00
4700	5350	1	0.00	0.00
4910	5220	3	0.00	0.00
4910	5230	3	0.00	0.00
4920	5220	4	.40	.10
4910	5240	2	0.00	0.00
4930	5220	3	3.24	1.08
4910	5250	1	0.00	0.00
4940	5220	3	2.02	.67
4950	5220	3	.40	.13
4910	5300	3	6.48	2.16
4910	5310	1	.40	.40
5000	5220	5	0.00	0.00
4910	5320	4	2.02	.51
4930	5300	5	18.22	3.64
5000	5230	2	.40	.20
4930	5310	2	8.91	4.45
4940	5300	6	53.46	8.91
5000	5240	2	0.00	0.00
4930	5320	2	97.19	48.60
4950	5300	5	20.65	4.13
4940	5310	3	33.61	11.20
5000	5250	2	0.00	0.00

MURRES AIR JULY #2

4920	5340	3	0.00		0.00
4950	5310	5	24.30		4.86
4940	5320	6	153.48		25.58
4930	5340	4	1.62		.40
4950	5320	3	2.43	AVERAGE	.81
4940	5330	1	10.12		10.12
4940	5340	1	0.00	/km	0.00
4950	5330	2	.40		.20
4950	5340	2	0.00		0.00
5000	5300	2	.40		.20
5000	5310	2	2.83		1.42
5000	5320	2	1.62		.81
4930	5400	5	.40		.08
5000	5330	3	.40		.13
4920	5420	2	0.00		0.00
4930	5410	3	0.00		0.00
4940	5400	4	1.21		.30
5000	5340	2	.40		.20
4920	5430	4	0.00		0.00
4930	5420	2	0.00		0.00
4950	5400	3	.40		.13
5050	5300	6	.81		.13
4920	5450	2	0.00		0.00
5050	5310	4	0.00		0.00
5050	5320	1	0.00		0.00
5050	5330	3	2.83		.94
5050	5340	2	.40		.20
5000	5400	4	0.00		0.00
5050	5350	2	0.00		0.00
5100	5300	2	0.00		0.00
5010	5400	3	0.00		0.00
4920	5500	2	0.00		0.00
5110	5300	5	0.00		0.00
5020	5400	5	0.00		0.00
4930	5500	5	0.00		0.00
5120	5300	1	0.00		0.00
4930	5510	2	0.00		0.00
5030	5400	4	1.21		.30
5120	5310	4	4.86		1.21
4930	5520	4	0.00		0.00
5040	5400	4	.40		.10
5120	5320	2	0.00		0.00
4930	5530	2	0.00		0.00
5050	5400	7	.81		.12
5120	5330	2	0.00		0.00
4930	5540	4	0.00		0.00
5050	5410	3	.81		.27
5120	5340	2	0.00		0.00
4940	5540	1	0.00		0.00
4950	5530	4	0.00		0.00
5050	5420	3	0.00		0.00
5120	5350	3	.40		.13
4940	5550	5	0.00		0.00
4950	5540	2	0.00		0.00
5050	5430	2	0.00		0.00
5050	5440	4	0.00		0.00
5000	5500	6	0.00		0.00
5050	5450	2	0.00		0.00
5100	5400	3	0.00		0.00
5010	5500	4	0.00		0.00
5000	5510	2	0.00		0.00
5110	5400	4	2.43		.61
5000	5520	2	0.00		0.00
5020	5500	4	0.00		0.00
5120	5400	9	.81		.10

M.2

MURRIS
AIR
JULY
#3

5060	5530	2	0.00		0.00
5050	5500	4	0.00		0.00
5120	5410	3	2.43	AVERAGE	.81
5130	5400	3	0.00		0.00
5040	5500	4	0.00		0.00
5120	5420	4	0.00	/km.	0.00
5140	5400	5	0.00		0.00
5050	5500	2	0.00		0.00
5120	5430	3	0.00		0.00
5150	5400	2	.40		.20
5120	5440	3	0.00		0.00
5120	5450	3	4.05		1.35
5200	5400	4	0.00		0.00
5210	5400	4	0.00		0.00
5120	5500	2	2.02		1.01
5220	5400	3	0.00		0.00
5120	5510	2	0.00		0.00
5120	5520	4	2.02		.51
5130	5520	4	0.00		0.00
5120	5530	7	0.00		0.00
5130	5530	3	0.00		0.00
5130	5540	4	0.00		0.00
5130	5550	6	0.00		0.00
5140	5540	2	4.05		2.02
5150	5530	5	2.43		.49
5140	5550	6	20.25		3.37
5150	5540	2	0.00		0.00
5150	5550	8	13.36		1.67
5130	5600	7	10.93		1.56
5120	5620	3	0.00		0.00
5130	5610	4	1.21		.30
5140	5600	3	3.64		1.21
5200	5540	2	0.00		0.00
5210	5530	2	0.00		0.00
5120	5630	10	.81		.08
5140	5610	6	0.00		0.00
5150	5600	4	0.00		0.00
5130	5620	7	.81		.12
5210	5540	2	0.00		0.00
5110	5650	6	.40		.07
5120	5640	5	.81		.16
5130	5630	4	0.00		0.00
5140	5620	6	1.62		.27
5220	5540	3	0.00		0.00
5120	5650	11	6.88		.63
5140	5630	1	0.00		0.00
5130	5640	4	0.00		0.00
5200	5550	2	0.00		0.00
5110	5640	1	0.00		0.00
5230	5540	1	0.00		0.00
5110	5700	1	0.00		0.00
5120	5700	2	0.00		0.00

M.2

MURRES AIR AUGUST #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5140	1	0.00	0.00
4600	5150	3	0.00	0.00
4640	5130	2	0.00	0.00
4640	5140	2	0.00	0.00
4650	5140	2	0.00	0.00
4600	5200	1	0.00	0.00
4650	5150	4	0.00	0.00
4600	5220	1	0.00	0.00
4600	5230	1	0.00	0.00
4600	5240	4	0.00	0.00
4700	5130	1	0.00	0.00
4600	5250	1	0.00	0.00
4700	5140	1	0.00	0.00
4700	5150	3	0.00	0.00
4610	5250	4	0.00	0.00
4620	5250	2	0.00	0.00
4600	5300	3	0.00	0.00
4650	5250	4	0.00	0.00
4610	5300	4	0.00	0.00
4700	5200	8	0.00	0.00
4700	5210	6	0.00	0.00
4620	5300	6	0.00	0.00
4630	5300	10	9.72	.97
4710	5210	3	0.00	0.00
4700	5220	1	0.00	0.00
4710	5220	5	.81	.16
4640	5300	7	0.00	0.00
4630	5310	3	0.00	0.00
4720	5220	2	0.00	0.00
4650	5300	6	0.00	0.00
4630	5320	2	0.00	0.00
4700	5250	8	3.24	.40
4720	5230	8	0.00	0.00
4710	5240	4	.81	.20
4630	5330	3	0.00	0.00
4710	5250	5	9.72	1.94
4720	5240	14	8.91	.64
4630	5340	2	20.25	10.12
4730	5230	1	0.00	0.00
4640	5340	3	0.00	0.00
4730	5240	3	.81	.27
4650	5330	1	0.00	0.00
4650	5340	1	0.00	0.00
4700	5300	4	0.00	0.00
4700	5310	4	0.00	0.00
4700	5320	4	0.00	0.00
4700	5330	5	0.00	0.00
4910	5220	4	5.67	1.42
4910	5230	2	9.72	4.86
4920	5220	5	5.26	1.05
4910	5240	3	2.83	.94
4930	5220	4	.81	.20
4910	5250	1	0.00	0.00
4940	5220	3	.81	.27
4950	5220	4	1.62	.40
4910	5300	2	14.58	7.29
4910	5310	3	4.05	1.35
5000	5220	5	.81	.16
4910	5320	3	0.00	0.00

MURRES AIR AUGUST #2

4930	5300	5	16.20	2.70
5000	5230	3	.40	.13
4930	5310	1	0.00	0.00
4940	5300	8	7.29	.91
5000	5240	2	0.00	0.00
4930	5320	4	13.77	3.44
4950	5300	5	3.64	.73
4940	5310	2	.81	.40
5000	5250	3	.40	.13
4920	5340	3	0.00	0.00
4940	5320	8	31.59	3.95
4950	5310	5	3.64	.73
4930	5340	4	1.62	.40
4950	5320	3	11.74	3.91
4940	5330	2	4.45	2.23
4940	5340	1	0.00	0.00
4950	5330	2	4.45	2.23
4950	5340	3	4.05	1.35
5000	5300	2	0.00	0.00
5000	5310	3	0.00	0.00
5000	5320	2	0.00	0.00
4930	5400	5	0.00	0.00
5000	5330	3	.81	.27
4910	5430	1	0.00	0.00
4930	5410	2	0.00	0.00
4940	5400	4	0.00	0.00
4920	5420	2	0.00	0.00
5000	5340	3	2.83	.94
4920	5430	3	0.00	0.00
4930	5420	1	0.00	0.00
4950	5400	3	.81	.27
5050	5300	6	0.00	0.00
4920	5450	2	0.00	0.00
5050	5310	1	0.00	0.00
5050	5320	3	0.00	0.00
5050	5330	3	0.00	0.00
5050	5340	1	0.00	0.00
5000	5400	4	8.50	2.13
5050	5350	3	.40	.13
5100	5300	4	0.00	0.00
5010	5400	3	9.31	3.10
4920	5500	3	0.00	0.00
5110	5300	2	0.00	0.00
5020	5400	4	.81	.20
4930	5500	3	0.00	0.00
5120	5300	2	1.21	.61
5030	5400	3	0.00	0.00
4930	5510	3	0.00	0.00
5120	5310	4	0.00	0.00
5040	5400	2	6.07	1.52
4930	5520	2	0.00	0.00
5120	5320	3	0.00	0.00
4930	5530	5	0.00	0.00
5050	5400	3	2.43	.49
5120	5330	2	0.00	0.00
4930	5540	2	0.00	0.00
5050	5410	3	0.00	0.00
5120	5340	2	0.00	0.00
4940	5540	5	0.00	0.00
4950	5530	3	1.21	.40
5050	5420	1	.81	.27
5120	5350	4	0.00	0.00
4930	5550	2	0.00	0.00
4940	5550		1.21	.61
5050	5430			

AVERAGE /km

No. 2

4950	5540		1	0.00	0.00
5050	5440		1	1.21	1.21
5000	5500		5	.81	.16
5050	5450		4	.81	.20
5100	5400		4	.40	.10
5010	5500	MURRES	3	0.00	AVERAGE 0.00
5000	5510		3	.81	.27
5110	5400	AIR	2	0.00	0.00
5000	5520		2	0.00	Km 0.00
5020	5500	AUGUST	4	2.02	.51
5120	5400		8	.40	.05
5000	5530	#3	2	0.00	0.00
5030	5500		2	.40	.20
5120	5410		2	0.00	0.00
5130	5400		4	0.00	0.00
5040	5500		4	2.43	.61
5140	5400		4	0.00	0.00
5120	5420		3	14.58	4.86
5050	5500		2	1.62	.81
5120	5430		2	1.62	.81
5150	5400		4	1.21	.30
5120	5440		4	2.02	.51
5120	5450		1	4.86	4.86
5200	5400		3	0.00	0.00
5210	5400		3	2.83	.94
5120	5500		3	3.64	1.21
5220	5400		4	4.05	1.01
5120	5510		2	0.00	0.00
5230	5400		1	0.00	0.00
5120	5520		3	.40	.13
5120	5530		5	0.00	0.00
5130	5520		2	0.00	0.00
5130	5530		4	0.00	0.00
5130	5540		2	0.00	0.00
5150	5530		4	0.00	0.00
5130	5550		4	0.00	0.00
5140	5540		1	0.00	0.00
5140	5550		8	0.00	0.00
5150	5540		2	0.00	0.00
5150	5550		8	.40	.05
5130	5600		6	.81	.13
5120	5620		3	0.00	0.00
5130	5610		3	0.00	0.00
5140	5600		2	.40	.20
5200	5540		2	0.00	0.00
5210	5530		2	1.21	.61
5120	5630		7	8.10	1.16
5140	5610		6	9.72	1.62
5150	5600		2	0.00	0.00
5130	5620		8	.40	.05
5200	5550		1	0.00	0.00
5110	5650		7	.81	.12
5120	5640		8	0.00	0.00
5130	5630		4	1.21	.30
5140	5620		4	0.00	0.00
5220	5540		4	0.00	0.00
5120	5650		8	.40	.05
5140	5630		2	0.00	0.00
5130	5540		3	0.00	0.00
5150	5610		1	0.00	0.00
5210	5540		1	1.21	1.21
5110	5700		2	0.00	0.00
5120	5700		2	0.00	0.00

M.2

MURRES
AIR SEPTEMBER #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5240	7	0.00	0.00
4700	5130	1	0.00	0.00
4700	5140	1	0.00	0.00
4600	5250	1	0.00	0.00
4610	5250	3	0.00	0.00
4700	5150	1	0.00	0.00
4620	5250	1	0.00	0.00
4600	5300	2	0.00	0.00
4650	5250	2	0.00	0.00
4610	5300	2	0.00	0.00
4700	5200	3	0.00	0.00
4700	5210	4	0.00	0.00
4620	5300	4	.81	.20
4710	5210	1	0.00	0.00
4630	5300	8	0.00	0.00
4700	5220	3	0.00	0.00
4710	5220	4	0.00	0.00
4630	5310	1	0.00	0.00
4640	5300	5	0.00	0.00
4720	5220	2	0.00	0.00
4640	5310	6	0.00	0.00
4710	5230	2	0.00	0.00
4650	5300	4	0.00	0.00
4700	5250	5	0.00	0.00
4720	5230	5	0.00	0.00
4640	5320	1	0.00	0.00
4710	5240	3	0.00	0.00
4710	5250	3	0.00	0.00
4650	5320	9	0.00	0.00
4720	5240	6	0.00	0.00
4730	5240	4	.81	.20
4650	5330	1	0.00	0.00
4700	5330	6	0.00	0.00
4910	5220	3	.81	.27
4910	5230	2	0.00	0.00
4920	5220	4	0.00	0.00
4910	5240	2	0.00	0.00
4930	5220	4	2.43	.61
4910	5250	3	1.21	.40
4940	5220	4	0.00	0.00
4950	5220	2	1.21	.61
4910	5300	4	3.64	.91
4910	5310	3	12.15	4.05
5000	5220	3	0.00	0.00
4910	5320	4	4.05	1.01
4930	5300	4	7.29	1.82
5000	5230	3	0.00	0.00
4910	5330	1	0.00	0.00
4940	5300	8	13.77	1.72
4930	5310	2	1.21	.61
5000	5240	2	2.02	1.01
4930	5320	4	8.50	2.13
4950	5300	7	4.86	.69
4940	5310	4	9.72	2.43
5000	5250	3	.81	.27
4920	5340	4	0.00	0.00
4950	5310	4	15.39	3.85
4940	5320	7	14.58	2.08
4930	5340	5	2.02	.40

MURRES
AIR
SEPTEMBER
#2

4950	5320	3	6.07	2.02
4940	5330	4	8.91	2.23
4940	5340	1	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	4	1.21	.30
5000	5300	3	2.43	.81
5000	5310	1	2.83	2.83
5000	5320	3	7.29	2.43
4930	5400	4	0.00	0.00
5000	5330	2	.81	.40
4920	5420	2	0.00	0.00
4930	5410	3	0.00	0.00
4940	5400	4	0.00	0.00
5000	5340	3	.81	.27
4920	5430	3	0.00	0.00
4930	5420	1	0.00	0.00
4950	5400	2	0.00	0.00
5050	5300	6	0.00	0.00
5050	5310	2	0.00	0.00
5050	5320	2	.40	.20
5050	5330	3	0.00	0.00
5050	5340	3	2.43	.81
5000	5400	4	0.00	0.00
5050	5350	2	0.00	0.00
5100	5300	5	0.00	0.00
5010	5400	3	0.00	0.00
4920	5500	6	0.00	0.00
5110	5300	4	0.00	0.00
5020	5400	4	.81	.20
4930	5500	2	0.00	0.00
5120	5300	2	0.00	0.00
4930	5510	4	0.00	0.00
5030	5400	2	.40	.20
5120	5310	2	7.29	3.64
4930	5520	2	0.00	0.00
5040	5400	4	0.00	0.00
5120	5320	3	0.00	0.00
4930	5530	4	0.00	0.00
5050	5400	6	9.31	1.55
5120	5330	2	9.31	4.66
4930	5540	3	0.00	0.00
5050	5410	2	0.00	0.00
5120	5340	4	6.48	1.62
4940	5540	2	0.00	0.00
4950	5530	6	0.00	0.00
5050	5420	4	3.64	.91
5120	5350	3	0.00	0.00
4940	5550	6	0.00	0.00
5050	5430	2	0.00	0.00
4950	5540	1	0.00	0.00
5050	5440	2	3.64	1.82
5000	5500	7	4.05	.58
5050	5450	3	8.91	2.97
5100	5400	3	5.67	1.89
5010	5500	3	1.21	.40
5000	5510	2	3.24	1.62
5110	5400	4	2.43	.61
5000	5520	3	0.00	0.00
5020	5500	4	2.43	.61
5120	5400	5	2.02	.40
5000	5530	2	0.00	0.00
5030	5500	5	7.69	1.54
5120	5410	3	3.24	1.08
5130	5400	2	13.77	6.88
5040	5500	4	16.60	4.15

AVERAGE
/km.

M.2

5120	5420		3	5.83	2.29
5140	5400		7	9.72	2.43
5050	5500		2	0.00	0.00
5120	5430	MURRES	3	9.72	3.24
5120	5400		2	.40	.20
5120	5440	AIR	3	9.31	3.10
5120	5450		2	2.43	1.21
5200	5400	SEPTEMBER	3	2.02	.67
5210	5400		3	.40	.13
5120	5500		3	1.62	.54
5220	5400	#3	3	4.86	1.62
5120	5510		3	13.77	4.59
5120	5520		2	0.00	0.00
5130	5520		4	0.00	0.00
5120	5530		6	0.00	0.00
5130	5530		5	0.00	0.00
5130	5540		2	0.00	0.00
5130	5550		6	0.00	0.00
5150	5530		2	0.00	0.00
5140	5550		6	0.00	0.00
5150	5540		4	0.00	0.00
5150	5550		9	5.26	.58
5130	5600		5	0.00	0.00
5120	5620		3	0.00	0.00
5130	5610		4	0.00	0.00
5140	5600		2	.81	.40
5200	5540		3	0.00	0.00
5210	5530		2	0.00	0.00
5120	5630		5	0.00	0.00
5140	5610		6	.81	.13
5150	5600		2	0.00	0.00
5130	5620		6	0.00	0.00
5210	5540		2	0.00	0.00
5200	5550		1	0.00	0.00
5110	5650		6	0.00	0.00
5140	5620		5	0.00	0.00
5120	5640		8	.81	.10
5220	5540		4	0.00	0.00
5120	5650		6	1.62	.27
5140	5630		2	0.00	0.00
5130	5640		4	0.00	0.00
5130	5630		3	.81	.27
5150	5610		1	0.00	0.00
5110	5700		1	0.00	0.00
5120	5700		3	0.00	0.00

AVERAGE /km.

M.2

MURRES
AIRCOUNTER #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5130	2	0.00	0.00
4600	5140	1	0.00	0.00
4640	5130	2	0.00	0.00
4640	5140	1	0.00	0.00
4650	5140	2	.81	.40
4600	5200	2	0.00	0.00
4650	5150	3	0.00	0.00
4600	5210	1	0.00	0.00
4600	5240	1	0.00	0.00
4700	5130	1	0.00	0.00
4700	5140	2	0.00	0.00
4600	5250	1	0.00	0.00
4700	5150	2	0.00	0.00
4610	5250	2	0.00	0.00
4620	5250	1	0.00	0.00
4600	5300	4	0.00	0.00
4650	5250	2	0.00	0.00
4610	5300	3	0.00	0.00
4700	5200	3	0.00	0.00
4620	5300	5	0.00	0.00
4700	5210	1	0.00	0.00
4710	5210	3	0.00	0.00
4630	5300	6	0.00	0.00
4700	5220	1	0.00	0.00
4710	5220	3	0.00	0.00
4630	5310	2	0.00	0.00
4640	5300	5	12.15	2.02
4600	5350	2	0.00	0.00
4610	5340	1	0.00	0.00
4640	5310	9	0.00	0.00
4650	5300	3	0.00	0.00
4720	5220	1	0.00	0.00
4610	5350	1	0.00	0.00
4700	5250	6	0.00	0.00
4720	5230	2	0.00	0.00
4710	5240	3	0.00	0.00
4620	5340	3	0.00	0.00
4640	5320	1	0.00	0.00
4630	5340	3	0.00	0.00
4730	5230	1	0.00	0.00
4650	5320	10	0.00	0.00
4720	5240	4	0.00	0.00
4710	5230	1	0.00	0.00
4730	5240	5	0.00	0.00
4640	5350	1	0.00	0.00
4650	5350	2	0.00	0.00
4700	5330	8	0.00	0.00
4640	5400	3	0.00	0.00
4700	5340	2	0.00	0.00
4650	5400	1	1.62	1.62
4640	5420	1	0.00	0.00
4650	5410	1	0.00	0.00
4630	5430	1	0.00	0.00
4620	5450	2	0.00	0.00
4640	5430	1	0.00	0.00
4600	5510	1	0.00	0.00
4610	5500	1	0.00	0.00
4600	5520	1	0.00	0.00
4610	5510	1	0.00	0.00

MURRES
AIR
OCT.
#2

4920	5500	4	0.00	0.00
4700	5410	3	0.00	0.00
4710	5400	1	0.00	0.00
4910	5220	5	.40	.07
4910	5230	1	0.00	0.00
4920	5220	4	1.21	.30
4910	5240	3	.81	.27
4930	5220	4	2.02	.51
4910	5250	2	.40	.20
4940	5220	3	0.00	0.00
4950	5220	7	0.00	0.00
4910	5300	3	.40	.13
4910	5310	2	.40	.20
5000	5220	5	2.02	.34
4910	5320	4	.81	.20
4930	5300	6	4.45	.74
5000	5230	4	1.21	.30
4930	5310	3	2.02	.67
4940	5300	14	2.83	.20
5000	5240	4	1.21	.30
4930	5320	3	5.07	2.02
4950	5300	6	.81	.13
4940	5310	3	5.67	1.89
5000	5250	3	.81	.27
4920	5340	5	0.00	0.00
4950	5310	5	.40	.08
4940	5320	10	16.60	1.66
4930	5340	5	0.00	0.00
4950	5320	3	0.00	0.00
4940	5330	4	3.24	.81
4940	5340	1	.40	.40
4950	5330	3	0.00	0.00
4950	5340	4	.81	.20
5000	5300	2	.40	.20
5000	5310	4	2.02	.51
5000	5320	5	.40	.08
4930	5400	8	.81	.10
5000	5330	3	1.21	.40
4920	5420	5	0.00	0.00
4930	5410	6	0.00	0.00
4940	5400	8	.40	.05
5000	5340	3	.81	.27
4920	5430	5	0.00	0.00
4930	5420	1	.40	.40
4950	5400	6	3.24	.54
5050	5300	8	1.62	.20
5050	5310	3	0.00	0.00
4920	5450	1	0.00	0.00
5050	5320	4	.81	.20
5050	5330	4	2.02	.51
5050	5340	5	3.24	.65
5000	5400	6	3.24	.54
5050	5350	4	1.21	.30
5100	5300	5	.40	.08
5010	5400	6	1.62	.27
4920	5500	5	.81	.16
5110	5300	7	1.21	.17
5020	5400	6	2.02	.34
4930	5500	3	0.00	0.00
5120	5300	3	.40	.13
4930	5510	5	0.00	0.00
5030	5400	6	.40	.07
5120	5310	2	.81	.40
4930	5520	3	.81	.27
5040	5400	6	3.64	.61

AVERAGE /km

M.2

5120	5520	3	2.02		.51
4950	5530	3	.40		.08
5050	5400	3	.81		.09
5120	5330	4	10.53	AVERAGE	2.63
4950	5540	3	0.00		0.00
5050	5410	4	5.07		1.52
5120	5340	3	20.25		6.75
4940	5540	2	0.00	/km.	0.00
4950	5530	6	0.00		0.00
5050	5420	4	2.43		.61
5120	5350	3	3.64		1.21
4940	5550	9	0.00		0.00
4950	5540	2	0.00		0.00
5050	5430	5	6.85		1.38
5050	5440	2	0.00		0.00
5000	5500	8	5.26		.66
5050	5450	4	2.02		.51
5100	5400	7	0.00		0.00
5010	5500	5	.81		.16
5000	5510	5	1.21		.24
5110	5400	6	.81		.13
5000	5520	4	1.21		.30
5020	5500	7	5.67		.81
5120	5400	8	8.91		1.11
5000	5530	1	0.00		0.00
5050	5500	6	2.02		.34
5120	5410	4	4.86		1.21
5130	5400	6	11.74		1.96
5040	5500	7	2.02		.29
5120	5420	3	2.83		.94
5140	5400	5	22.68		4.54
5050	5500	4	0.00		0.00
5120	5430	4	5.26		1.32
5150	5400	6	17.41		2.90
5120	5440	2	2.83		1.42
5120	5450	4	3.24		.81
5200	5400	4	4.45		1.11
5210	5400	6	16.60		2.77
5120	5500	4	2.43		.61
5220	5400	6	8.91		1.48
5120	5510	4	.81		.20
5120	5520	3	0.00		0.00
5120	5530	8	5.67		.71
5130	5520	6	0.00		0.00
5130	5530	4	2.83		.71
5130	5540	5	1.21		.24
5130	5550	5	0.00		0.00
5150	5530	4	0.00		0.00
5140	5540	1	0.00		0.00
5140	5550	11	1.62		.15
5150	5540	7	1.62		.23
5150	5550	13	2.43		.19
5130	5600	8	1.21		.15
5130	5610	4	0.00		0.00
5120	5620	4	0.00		0.00
5140	5600	4	1.62		.40
5200	5540	3	0.00		0.00
5210	5530	3	.81		.27
5120	5530	8	2.02		.25
5140	5610	11	0.00		0.00
5130	5620	8	0.00		0.00
5150	5600	4	0.00		0.00
5200	5550	1	0.00		0.00
5120	5540	9	1.62		.18
5110	5550	7	0.00		0.00

MURRES AIR OCT. #3

5140	5520	9	0.00	0.00
5130	5530	8	0.00	0.00
5220	5540	7	0.00	0.00
5120	5550	14	.81	.06
5130	5540	7	0.00	0.00
5140	5630	3	0.00	0.00
5110	5640	1	0.00	0.00
5210	5540	2	0.00	0.00
5150	5510	1	0.00	0.00
5110	5700	1	0.00	0.00
5120	5700	6	.40	.07

AVERAGE /km

MURRES AIR OCTOBER #4

M-2

TURKEYS
AIR NOVEMBER #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5150	1	0.00	0.00
4640	5130	1	.81	.81
4640	5140	1	.81	.81
4650	5140	1	0.00	0.00
4600	5200	1	5.67	5.67
4650	5150	1	0.00	0.00
4600	5210	2	0.00	0.00
4600	5220	1	0.00	0.00
4600	5230	2	.81	.40-
4600	5240	7	4.05	.58
4700	5130	1	0.00	0.00
4700	5140	3	.81	.27-
4600	5250	2	0.00	0.00
4700	5150	4	.81	.20-
4610	5250	4	7.29	1.82
4620	5250	2	0.00	0.00
4600	5300	5	0.00	0.00
4650	5250	1	0.00	0.00
4610	5300	4	0.00	0.00
4700	5200	7	2.43	.35-
4620	5300	7	7.29	1.04
4700	5210	2	0.00	0.00
4630	5300	3	.81	.10-
4700	5220	1	0.00	0.00
4710	5220	3	0.00	0.00
4640	5300	6	7.29	1.21
4630	5310	3	6.48	2.16
4600	5350	2	4.05	2.02
4610	5340	2	0.00	0.00
4710	5230	1	0.00	0.00
4650	5300	4	3.24	.81
4720	5220	1	0.00	0.00
4640	5310	8	38.88	4.86
4700	5250	3	0.00	0.00
4720	5230	4	2.43	.61
4640	5320	2	0.00	0.00
4620	5340	2	3.24	1.62
4710	5240	1	.81	.81
4710	5250	2	.81	.40-
4720	5240	4	0.00	0.00
4650	5320	4	0.00	0.00
4630	5340	1	.81	.81
4730	5240	3	0.00	0.00
4650	5330	3	3.24	1.08
4650	5340	1	0.00	0.00
4650	5350	1	0.00	0.00
4700	5330	4	0.00	0.00
4640	5400	1	0.00	0.00
4700	5340	2	0.00	0.00
4650	5400	1	0.00	0.00
4640	5420	1	0.00	0.00
4650	5410	2	0.00	0.00
4630	5430	1	0.00	0.00
4630	5440	1	0.00	0.00
4640	5430	3	0.00	0.00
4650	5420	1	0.00	0.00
4700	5410	1	0.00	0.00
4710	5400	3	0.00	0.00
4910	5220	2	0.00	0.00
4910	5230	2	.40	.20-
4920	5220	2	.40	.20-
4910	5240	1	0.00	0.00
4930	5220	2	2.43	1.21
4910	5250	1	0.00	0.00
4940	5220	3	1.21	.40-
4950	5220	1	2.02	2.02
4940	5300	2	0.00	0.00
5000	5220	3	.81	.27-
4910	5320	2	0.00	0.00
4930	5300	3	.81	.27-
5000	5230	2	2.02	1.01
4930	5310	2	0.00	0.00
4940	5300	5	1.62	.32-
5000	5240	2	1.21	.61
4930	5320	2	.40	.20-
4950	5300	4	.40	.10-
4940	5310	2	1.21	.61
5000	5250	1	0.00	0.00
4920	5340	2	0.00	0.00
4950	5310	2	0.00	0.00
4940	5320	3	.81	.27-
4930	5340	2	0.00	0.00
4950	5320	1	0.00	0.00
4940	5330	2	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	2	0.00	0.00
5000	5300	2	.40	.20-
5000	5310	1	0.00	0.00
5000	5320	2	.40	.20-
4930	5400	5	.40	.08-
5000	5330	2	.40	.20-
4920	5420	2	0.00	0.00
4930	5410	3	0.00	0.00
4940	5400	3	2.02	.67
5000	5340	1	0.00	0.00
4920	5430	3	0.00	0.00
4930	5420	1	0.00	0.00
4950	5400	3	2.83	.94
5050	5300	2	.81	.40-
4920	5450	1	0.00	0.00
5050	5310	2	0.00	0.00
5050	5320	1	.81	.81
5050	5330	1	0.00	0.00
5050	5340	1	0.00	0.00
5000	5400	4	1.62	.40-
5050	5350	2	.40	.20-
5100	5300	2	0.00	0.00
5010	5400	3	3.64	1.21
4920	5500	1	0.00	0.00
5110	5300	2	1.21	.61
5020	5400	4	.81	.20-
4930	5500	2	0.00	0.00
5120	5300	1	.40	.40-
5030	5400	4	3.24	.81
5120	5310	1	.81	.81
4930	5520	1	0.00	0.00
5040	5400	2	0.00	0.00
4930	5530	1	0.00	0.00
5050	5400	5	1.21	.24-
5120	5330	1	1.62	1.62
4930	5540	1	0.00	0.00
5050	5410	1	0.00	0.00
5120	5340	1	0.00	0.00
4940	5540	1	0.00	0.00

MURRE AIR NOV. #2

AVERAGE /km

M.2

4990	5530		2	0.00	0.00
5050	5400		1	0.00	0.00
5120	5350		1	.81	.81
4940	5550	MUZRE	2	0.00	0.00
5050	5430		1	0.00	0.00
5050	5440	AIR	1	.81	.81
5000	5500		2	0.00	0.00
5050	5450	NOV.	1	.81	.81
5100	5400		5	5.26	1.05
5010	5500		1	0.00	0.00
5000	5510	#3	2	.40	.20
5110	5400		2	2.02	1.01
5000	5520		1	0.00	0.00
5020	5500		1	0.00	0.00
5120	5400		5	3.24	.65
5000	5530		1	0.00	0.00
5030	5500		1	0.00	0.00
5120	5410		2	0.00	0.00
5130	5400		3	.81	.27
5040	5500		1	0.00	0.00
5120	5420		1	.40	.40
5140	5400		4	2.43	.61
5050	5500		1	0.00	0.00
5120	5430		1	0.00	0.00
5150	5400		3	2.02	.67
5120	5450		1	0.00	0.00
5200	5400		2	.81	.40
5210	5400		4	3.24	.81
5120	5500		1	.40	.40
5220	5400		4	7.29	1.82
5120	5510		1	0.00	0.00
5130	5520		2	0.00	0.00
5120	5530		3	.40	.13
5130	5530		2	0.00	0.00
5130	5540		1	0.00	0.00
5130	5550		2	0.00	0.00
5140	5540		1	0.00	0.00
5150	5530		2	4.45	2.23
5140	5550		4	0.00	0.00
5150	5540		1	.81	.81
5150	5550		5	.40	.08
5130	5600		3	0.00	0.00
5130	5610		2	0.00	0.00
5140	5600		1	0.00	0.00
5200	5540		2	0.00	0.00
5210	5530		1	0.00	0.00
5110	5540		1	0.00	0.00
5120	5630		4	0.00	0.00
5150	5600		2	0.00	0.00
5140	5610		4	0.00	0.00
5210	5540		1	0.00	0.00
5120	5640		3	0.00	0.00
5130	5630		4	0.00	0.00
5140	5620		4	0.00	0.00
5130	5620		3	.40	.13
5220	5540		2	.40	.20
5120	5650		4	0.00	0.00
5140	5630		1	0.00	0.00
5130	5640		2	0.00	0.00
5110	5650		1	0.00	0.00
5130	5650		1	0.00	0.00
5120	5700		3	0.00	0.00

AVERAGE

Km.

M.2

MURRES
AIR DECEMBER #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4640	5130	1	.81	.81
4650	5140	1	.81	.81
4600	5200	1	3.24	3.24
4650	5150	1	0.00	0.00
4600	5210	1	0.00	0.00
4600	5220	1	0.00	0.00
4600	5230	2	4.86	2.43
4600	5240	1	.81	.81
4700	5130	1	4.05	4.05
4700	5140	1	0.00	0.00
4600	5250	1	.81	.81
4700	5150	3	.81	.27
4620	5250	1	0.00	0.00
4600	5300	2	19.44	9.72
4610	5300	3	8.10	2.70
4700	5200	2	4.86	2.43
4620	5300	2	4.86	2.43
4630	5300	5	5.67	1.13
4710	5220	2	0.00	0.00
4640	5300	3	25.11	8.37
4630	5310	1	3.24	3.24
4710	5230	1	0.00	0.00
4650	5300	2	0.00	0.00
4640	5310	5	1.62	.32
4700	5250	3	0.00	0.00
4720	5230	2	1.62	.81
4710	5250	1	0.00	0.00
4720	5240	1	.81	.81
4650	5320	5	3.24	.65
4730	5240	2	0.00	0.00
4700	5330	3	0.00	0.00
4910	5220	1	0.00	0.00
4910	5230	2	.40	.20
4920	5220	1	0.00	0.00
4930	5220	2	0.00	0.00
4910	5250	1	.81	.81
4940	5220	1	2.02	2.02
4950	5220	2	1.21	.61
4910	5300	1	.81	.81
5000	5220	2	0.00	0.00
4910	5320	2	0.00	0.00
4930	5300	3	0.00	0.00
5000	5230	2	0.00	0.00
4930	5310	1	0.00	0.00
4940	5300	5	2.02	.40
5000	5240	1	0.00	0.00
4930	5320	2	0.00	0.00
4950	5300	2	0.00	0.00
4940	5310	2	2.43	1.21
5000	5250	1	0.00	0.00
4920	5340	1	0.00	0.00
4950	5310	2	.81	.40
4940	5320	3	.40	.13
4930	5340	3	0.00	0.00
4950	5320	1	0.00	0.00
4940	5330	2	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	2	0.00	0.00
5000	5300	1	0.00	0.00

MURRE AIR DEC #2

5000	5310	1	0.00	0.00
5000	5320	1	0.00	0.00
4930	5400	3	0.00	0.00
5000	5330	2	0.00	0.00
4930	5410	1	0.00	0.00
4940	5400	1	3.24	3.24
5000	5340	1	0.00	0.00
4920	5430	2	0.00	0.00
4930	5420	1	0.00	0.00
4950	5400	1	.40	.40
5050	5300	3	2.43	.81
4920	5450	1	0.00	0.00
5050	5310	1	0.00	0.00
5050	5320	1	0.00	0.00
5050	5330	1	0.00	0.00
5050	5340	1	.40	.40
5000	5400	2	1.62	.81
5050	5350	1	1.21	1.21
5100	5300	1	.81	.81
5010	5400	2	2.02	1.01
4920	5500	1	0.00	0.00
5110	5300	2	.81	.40
5020	5400	1	.40	.40
4930	5500	2	0.00	0.00
5120	5300	1	0.00	0.00
4930	5510	1	0.00	0.00
5030	5400	2	.81	.40
5120	5310	1	0.00	0.00
4930	5520	1	0.00	0.00
5040	5400	2	0.00	0.00
5120	5320	1	.81	.81
4930	5530	2	0.00	0.00
5050	5400	1	.81	.81
5120	5330	1	0.00	0.00
5050	5410	1	.40	.40
5120	5340	1	2.43	2.43
4940	5540	1	0.00	0.00
4950	5530	2	0.00	0.00
4930	5550	1	0.00	0.00
5120	5350	1	.40	.40
5050	5420	1	0.00	0.00
4940	5550	2	0.00	0.00
5050	5430	1	0.00	0.00
5050	5440	1	.40	.40
5000	5500	3	.40	.13
5050	5450	1	0.00	0.00
5100	5400	2	0.00	0.00
5010	5500	2	4.45	2.23
5000	5510	1	0.00	0.00
5110	5400	1	0.00	0.00
5000	5520	1	0.00	0.00
5020	5500	1	2.02	2.02
5120	5400	2	0.00	0.00
5030	5500	2	.40	.20
5120	5410	1	.40	.40
5130	5400	2	2.83	1.42
5040	5500	1	0.00	0.00
5120	5420	1	1.21	1.21
5140	5400	1	0.00	0.00
5050	5500	1	0.00	0.00
5120	5430	1	.40	.40
5130	5400	1	0.00	0.00
5120	5450	2	1.62	.81
5200	5400	1	0.00	0.00
5210	5400	2	0.00	0.00

AVERAGE /km

M.2

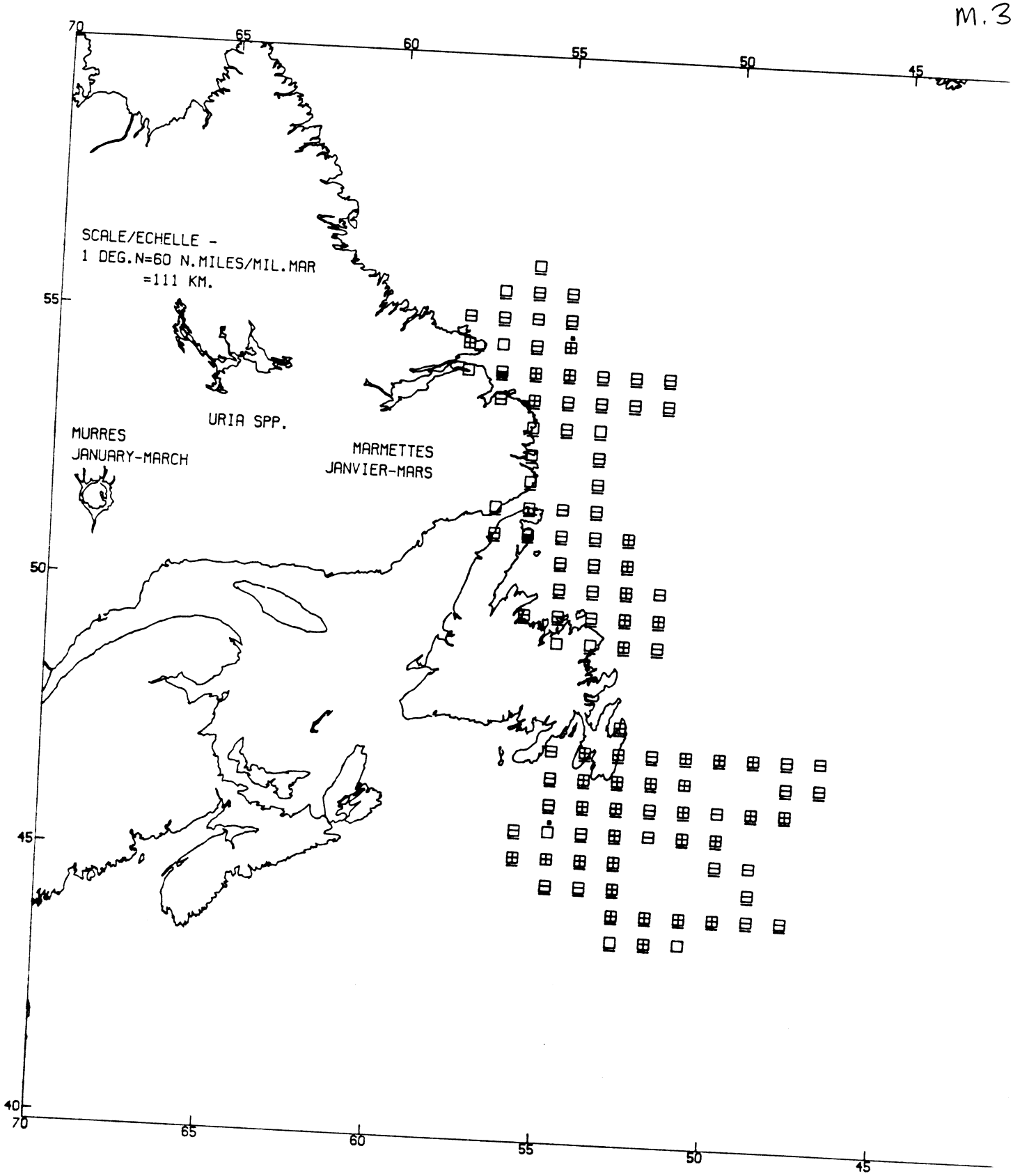
5220	5400	1	0.00	0.00
5120	5510	1	.81	.81
5120	5520	1	2.83	2.83
5120	5530	2	1.21	.61
5130	5520	1	.81	.81
5130	5530	1	0.00	0.00
5130	5540	1	0.00	0.00
5130	5550	1	0.00	0.00
5120	5530	3	0.00	0.00
5140	5550	4	4.45	1.11
5150	5540	2	15.39	7.69
5150	5550	4	2.02	.51
5130	5600	3	2.43	.81
5130	5610	3	0.00	0.00
5120	5620	2	0.00	0.00
5140	5600	2	0.00	0.00
5200	5540	1	1.62	1.62
5210	5530	2	1.21	.61
5120	5630	3	0.00	0.00
5140	5610	2	0.00	0.00
5150	5600	1	0.00	0.00
5130	5620	3	2.83	.94
5210	5540	1	1.62	1.62
5120	5640	5	2.43	.49
5130	5630	2	0.00	0.00
5140	5620	4	.40	.10
5150	5610	1	0.00	0.00
5110	5650	1	0.00	0.00
5120	5650	6	.81	.13
5130	5640	2	0.00	0.00
5140	5630	1	0.00	0.00
5220	5540	2	0.00	0.00
5120	5700	3	0.00	0.00

MURRES
AIR
DECEMBER
#3

AVERAGE
/km.

M.2

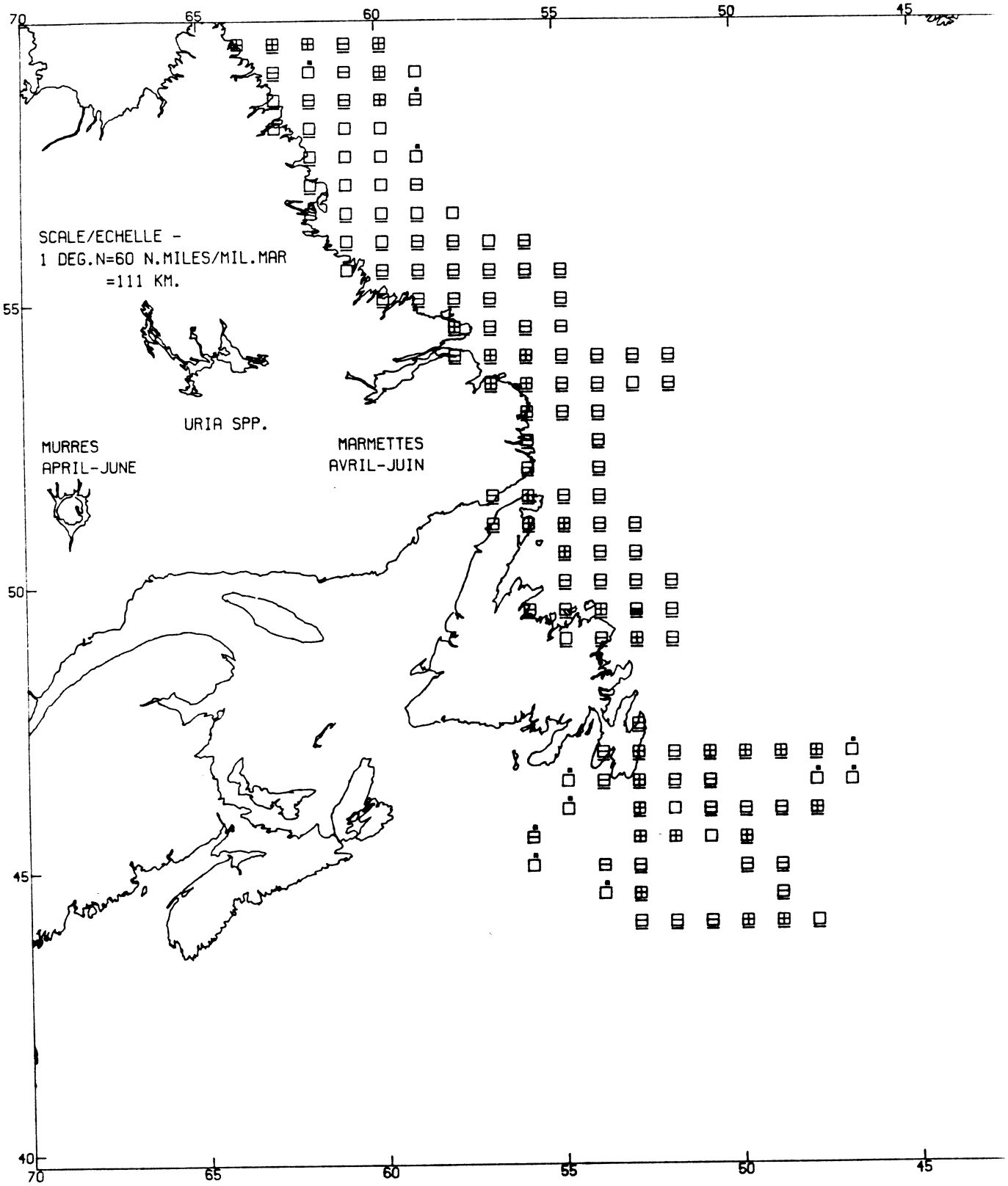
M.3



MURRES

AERIAL

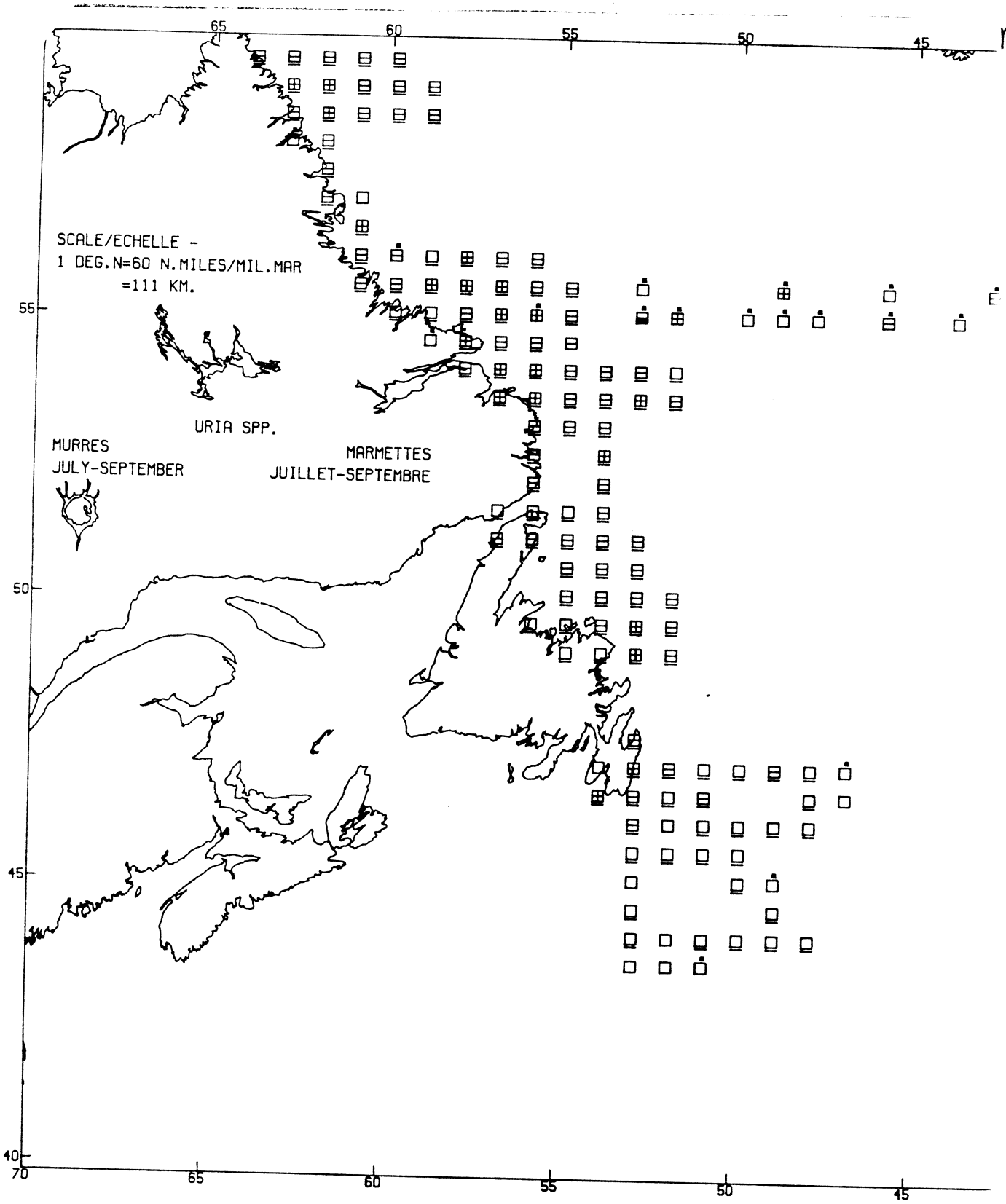
M.3



MURRES

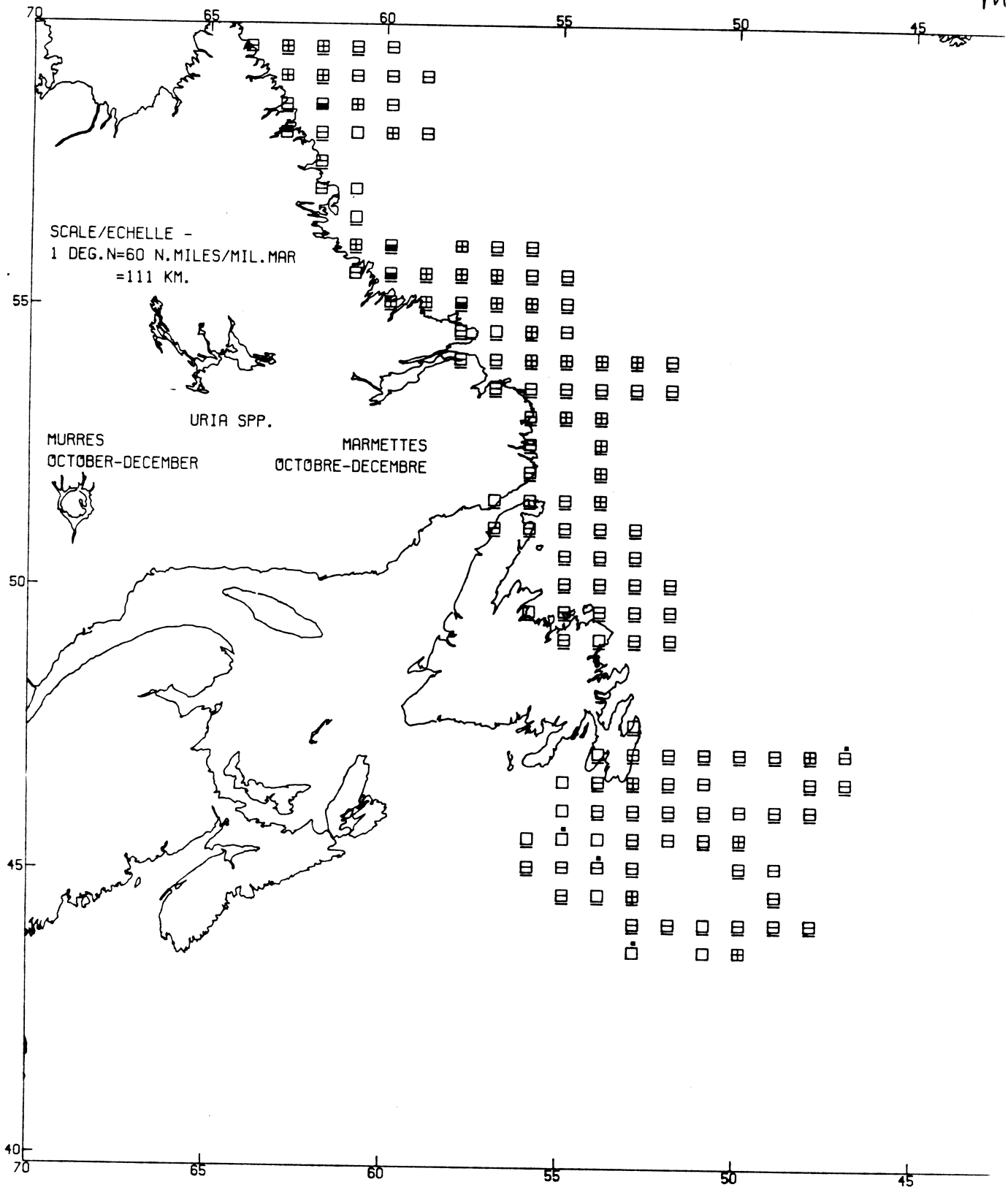
AERIAL

M.3



MURRES

AERIAL



MURRES

AERIAL

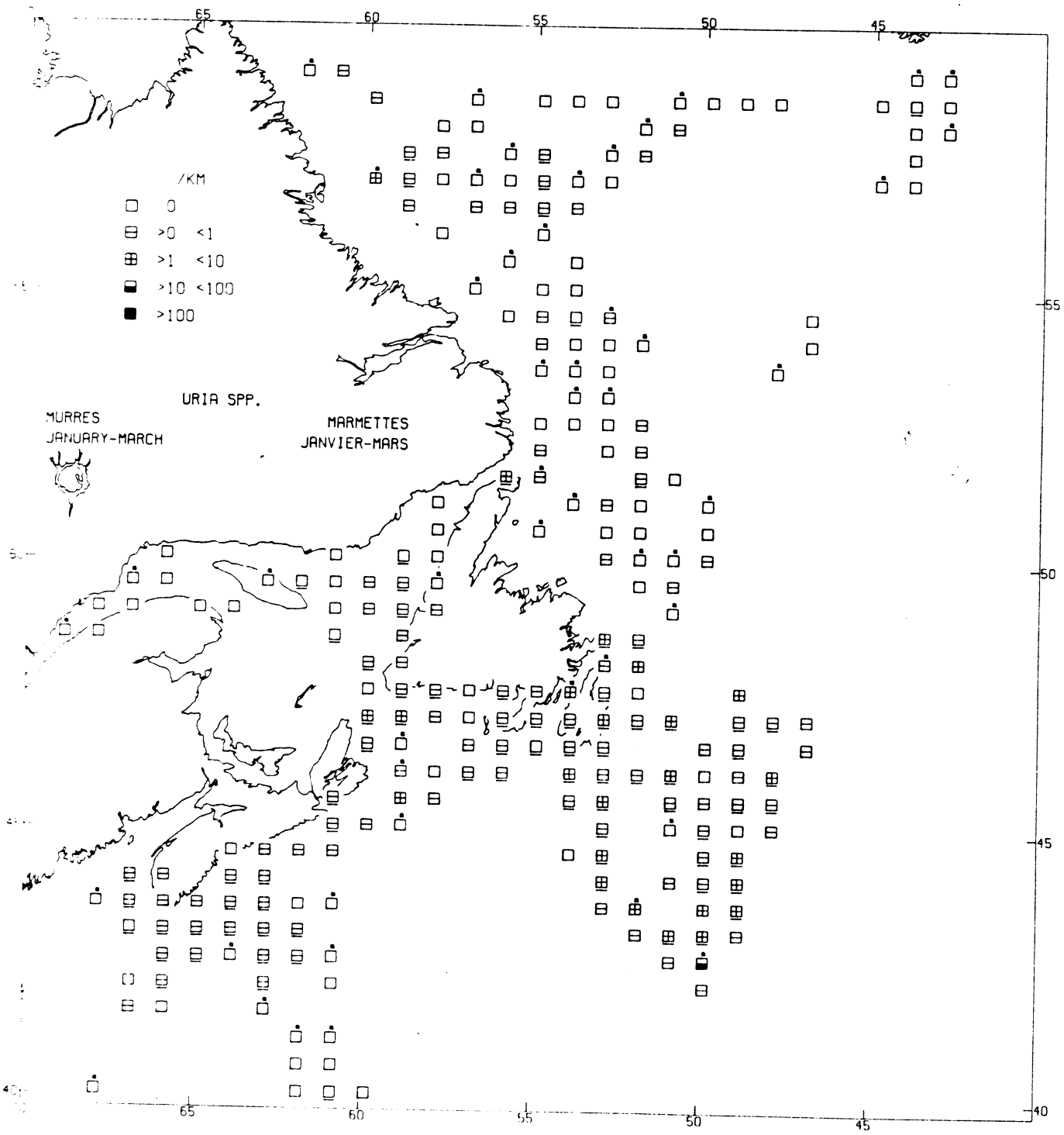
Maps 14a–f

Marine distributions

M.4

MURRES
SHIPBOARD

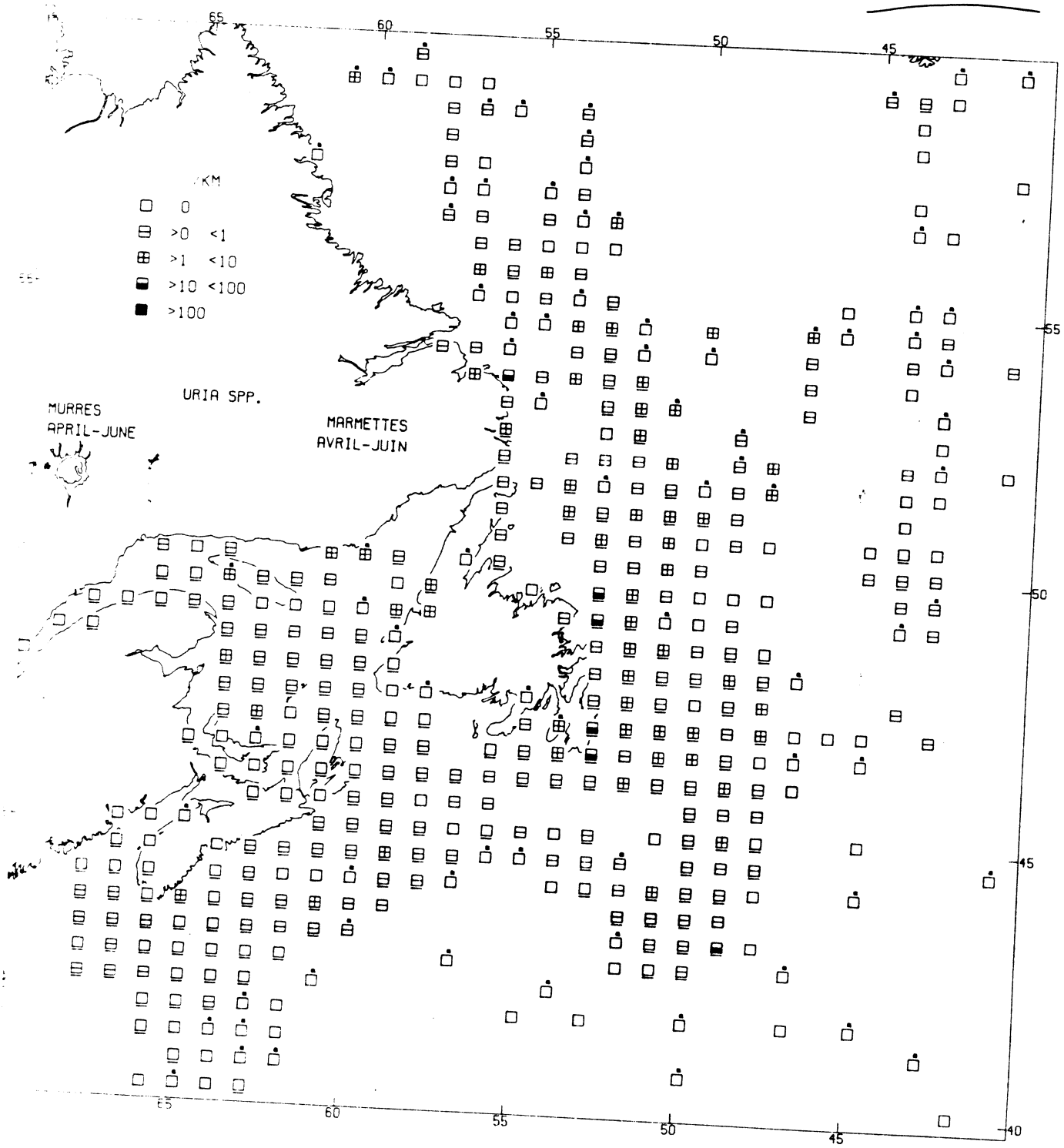
Map 14a
Atlantic, January–March



M.4

MURRES
SHIPBOARD

Map 14b
Atlantic, April–June

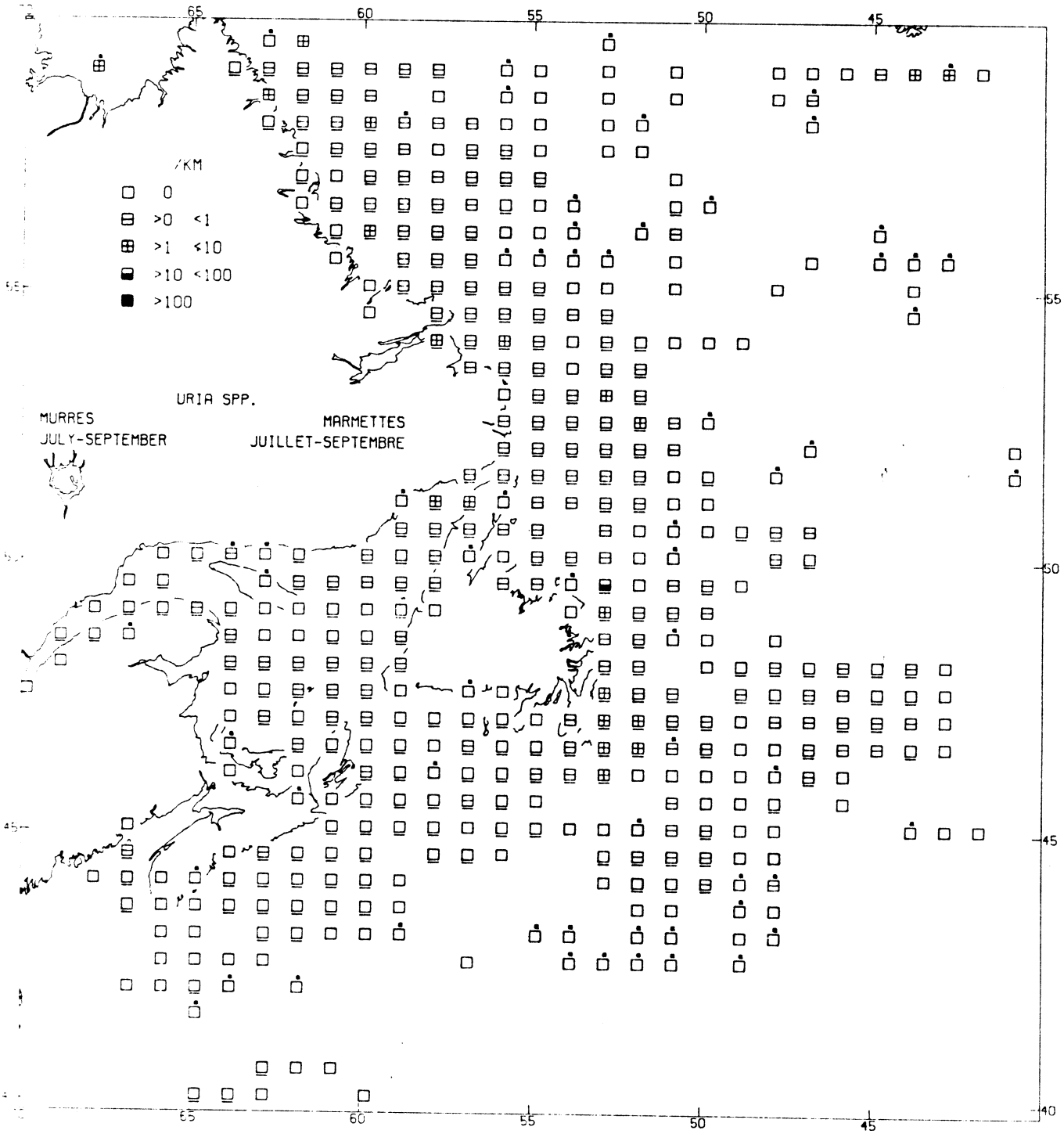


M.4

MURRES

SHIPBOARD

Map 14c
Atlantic, July–September

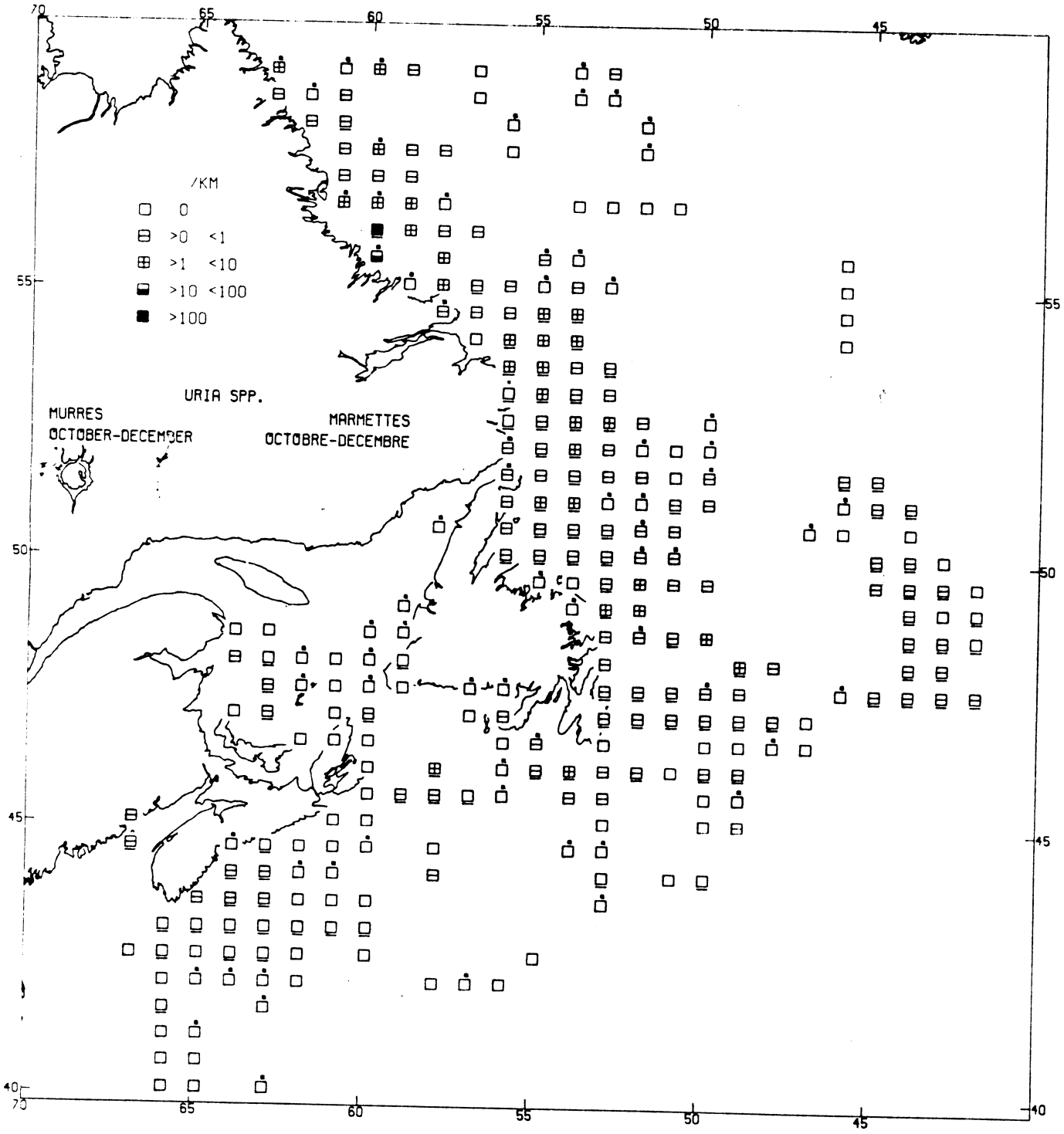


M.4

MURRES

SHIPBOARD

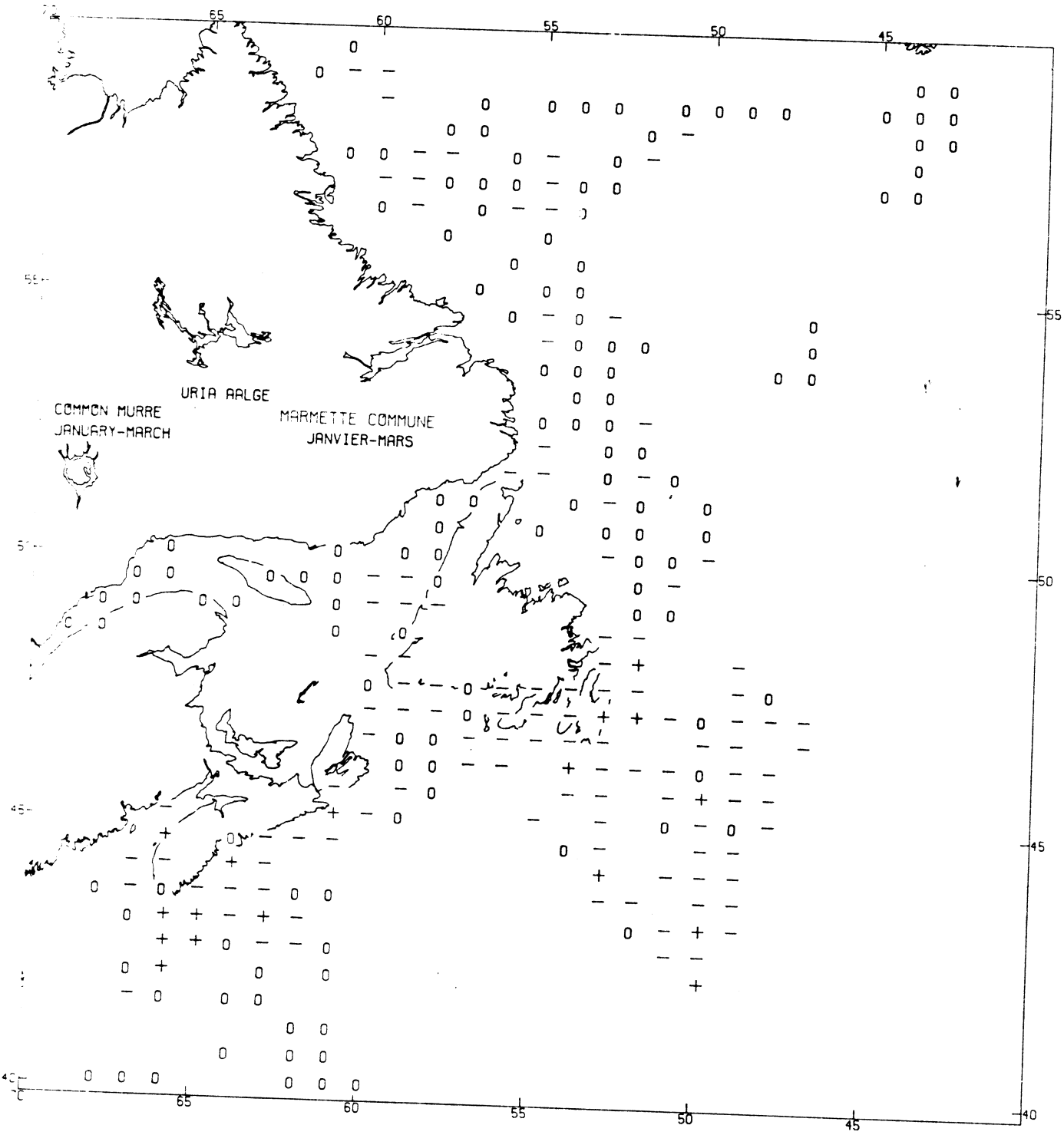
Map 14d
Atlantic, October–December



M.4

CM
SHIPBOARD

Map 12b
Atlantic, January–March

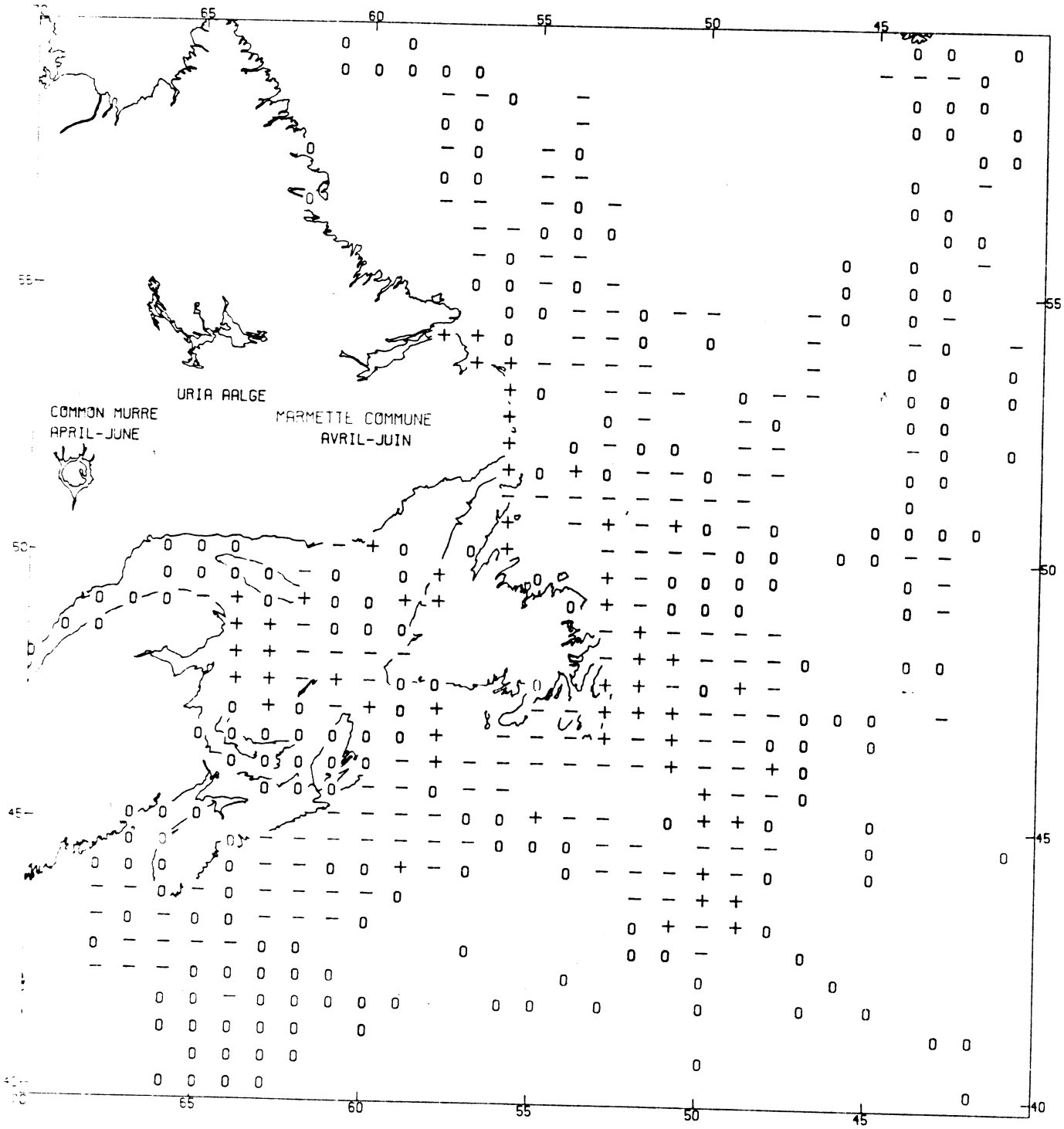


M.4

CM

SHIPBOARD

Map 12c
Atlantic, April–June

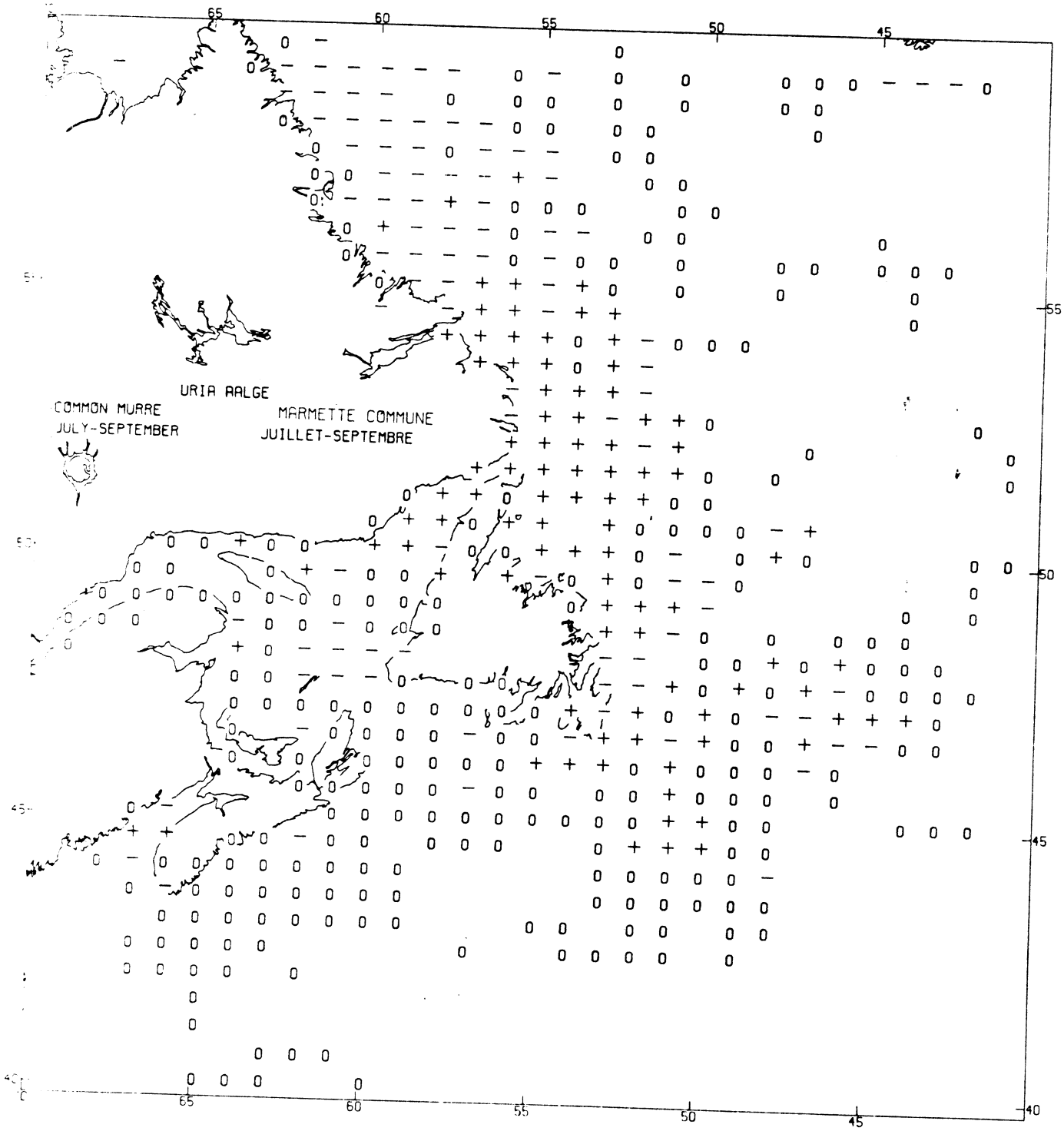


M.4

CM

SHIPBOARD

Map 12d
Atlantic, July–September

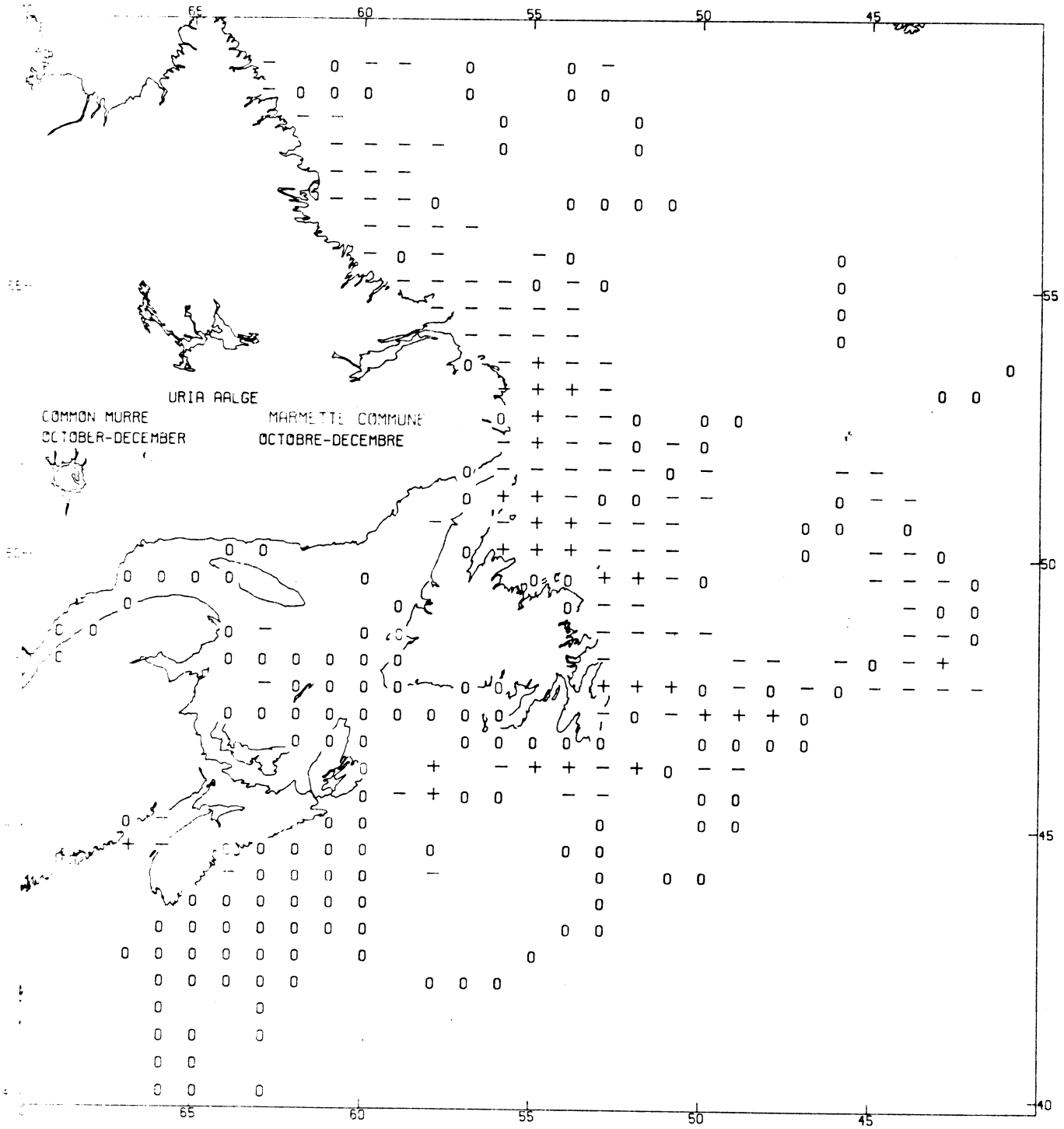


M.4

CM

SHIPBOARD

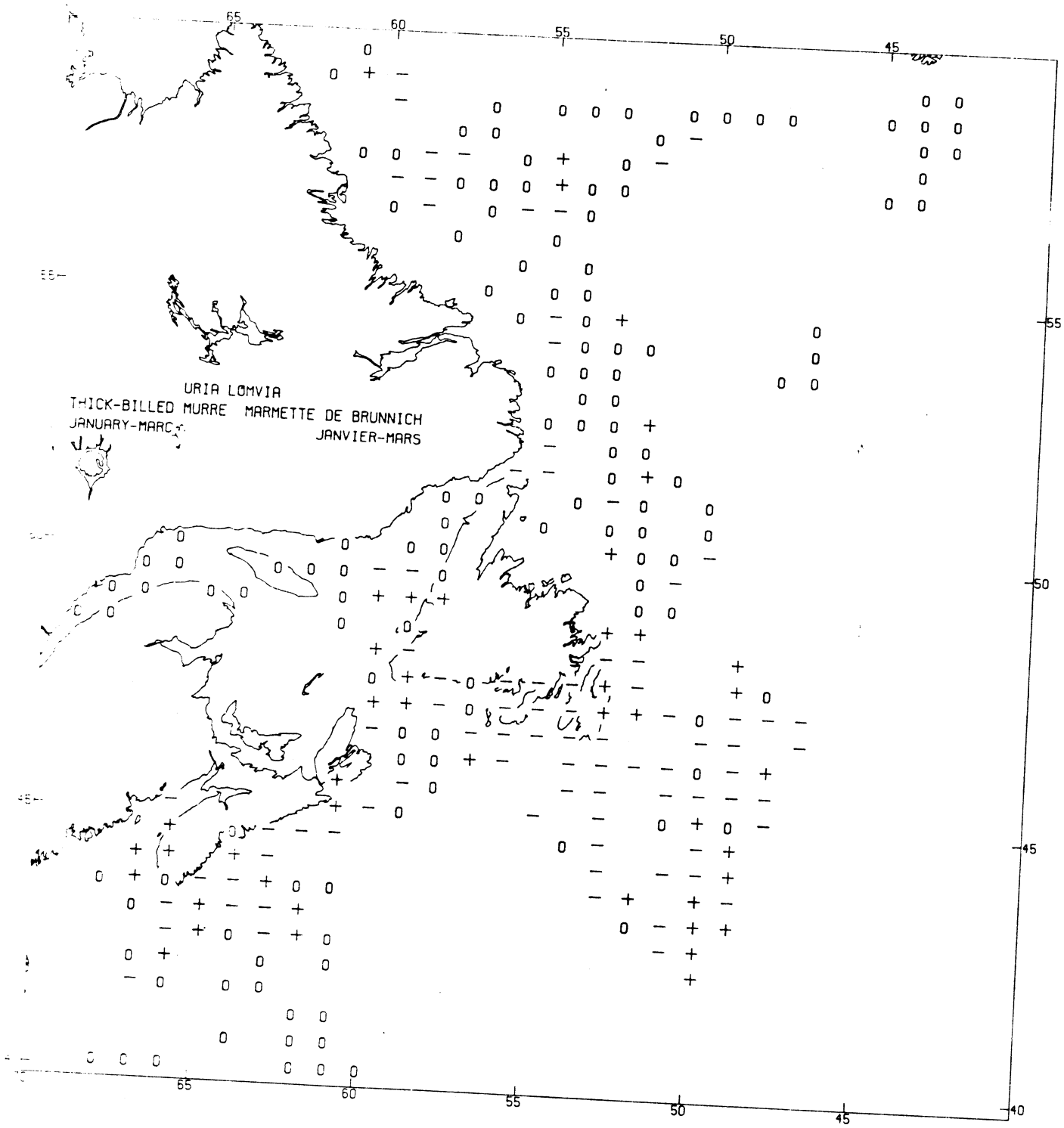
Map 12e
Atlantic, October–December



M.4

TBM
SHIPBOARD

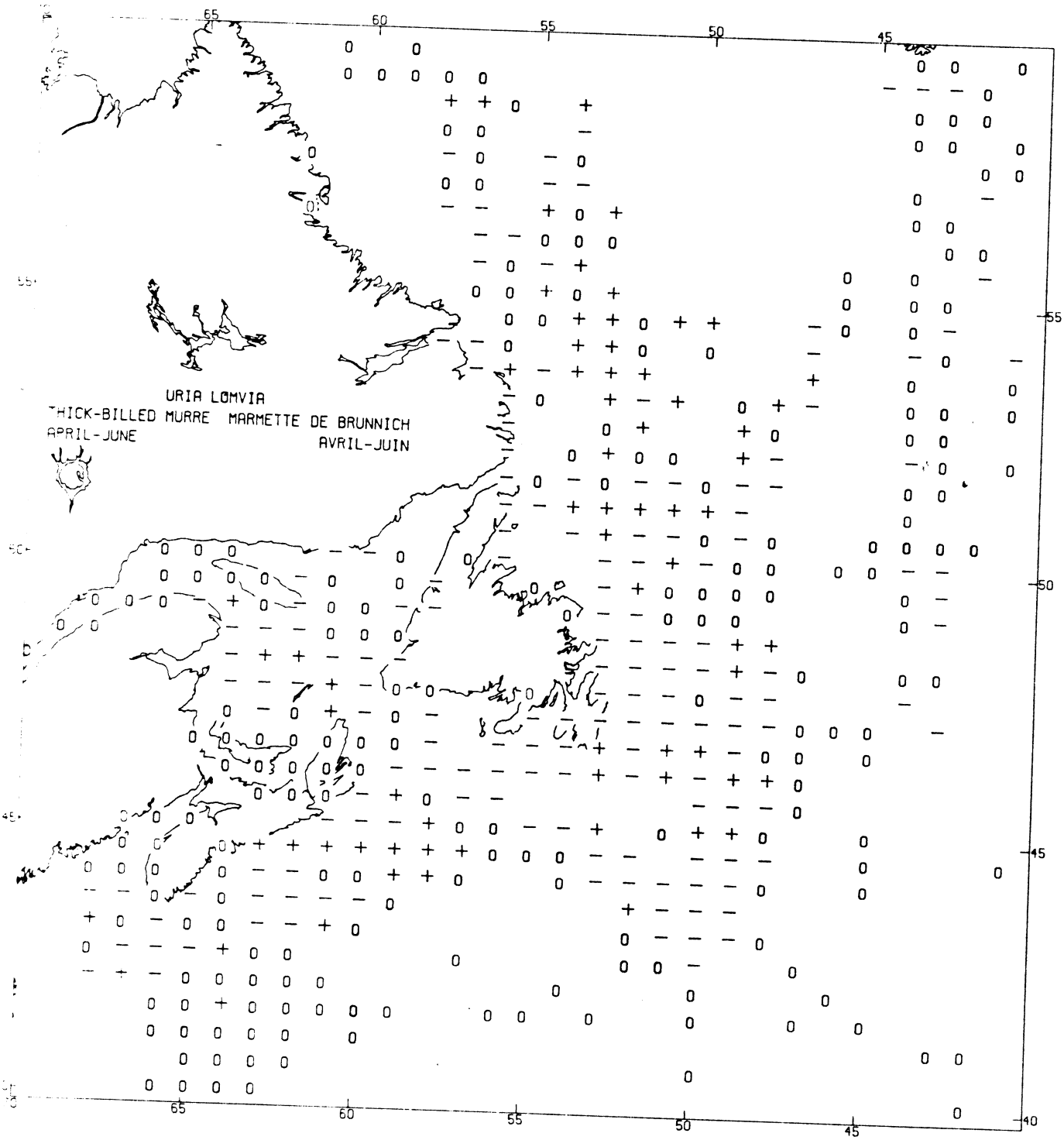
Map 13b
Atlantic, January–March



M.4

TBM
SHIPBOARD

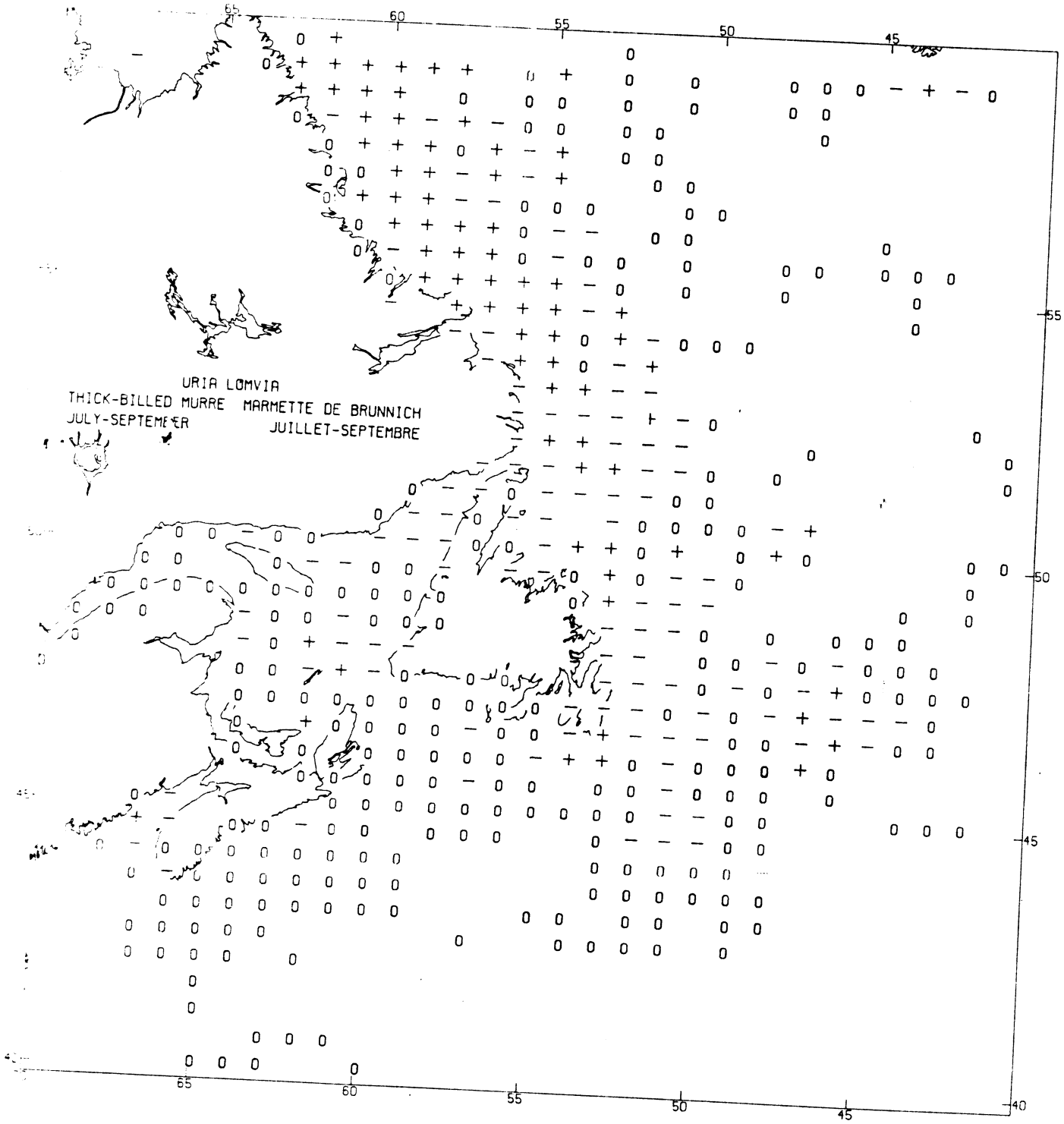
Map 13c
Atlantic, April–June



Map 13d
Atlantic, July–September

TBM
SHIPBOARD

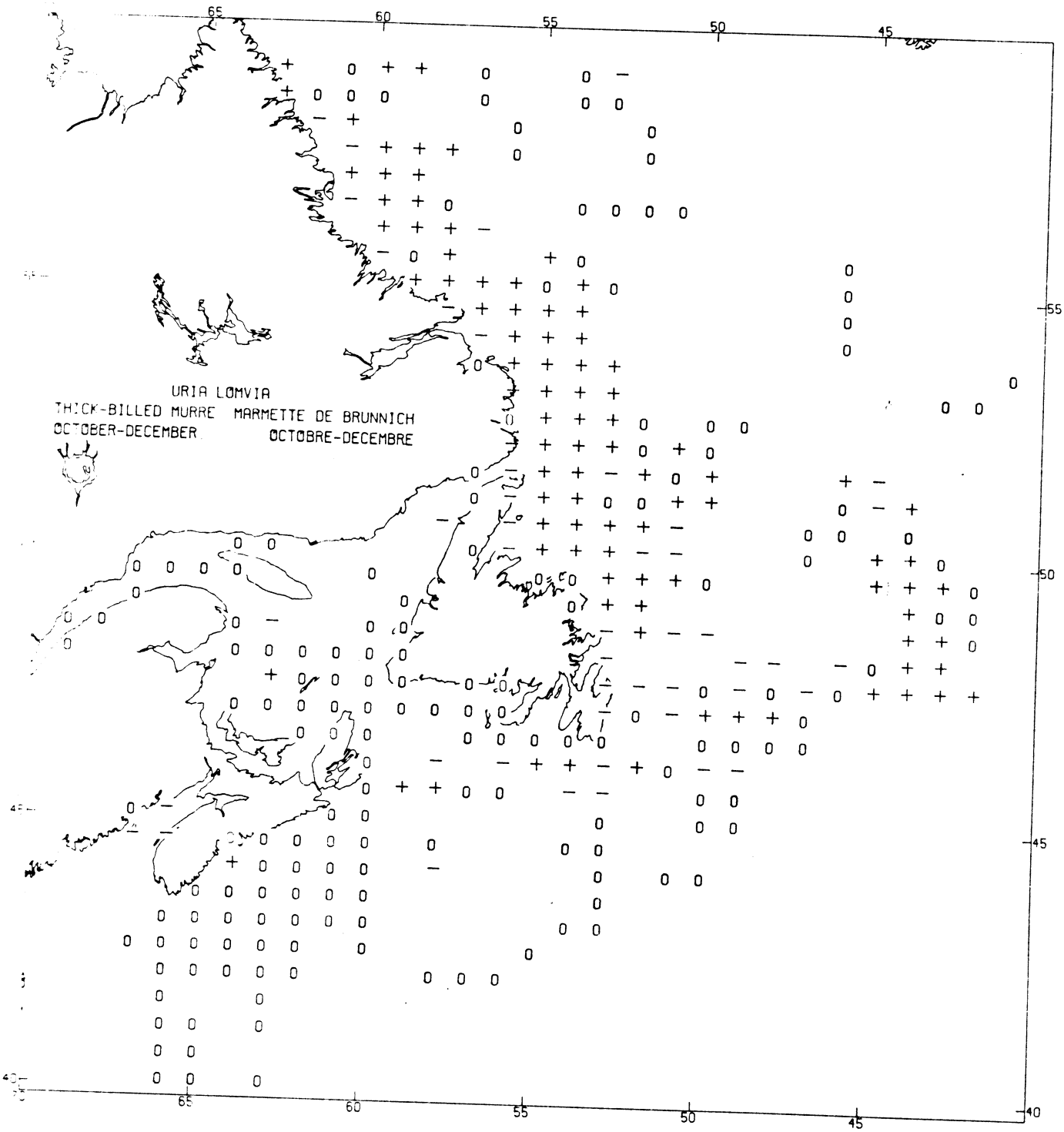
M.4



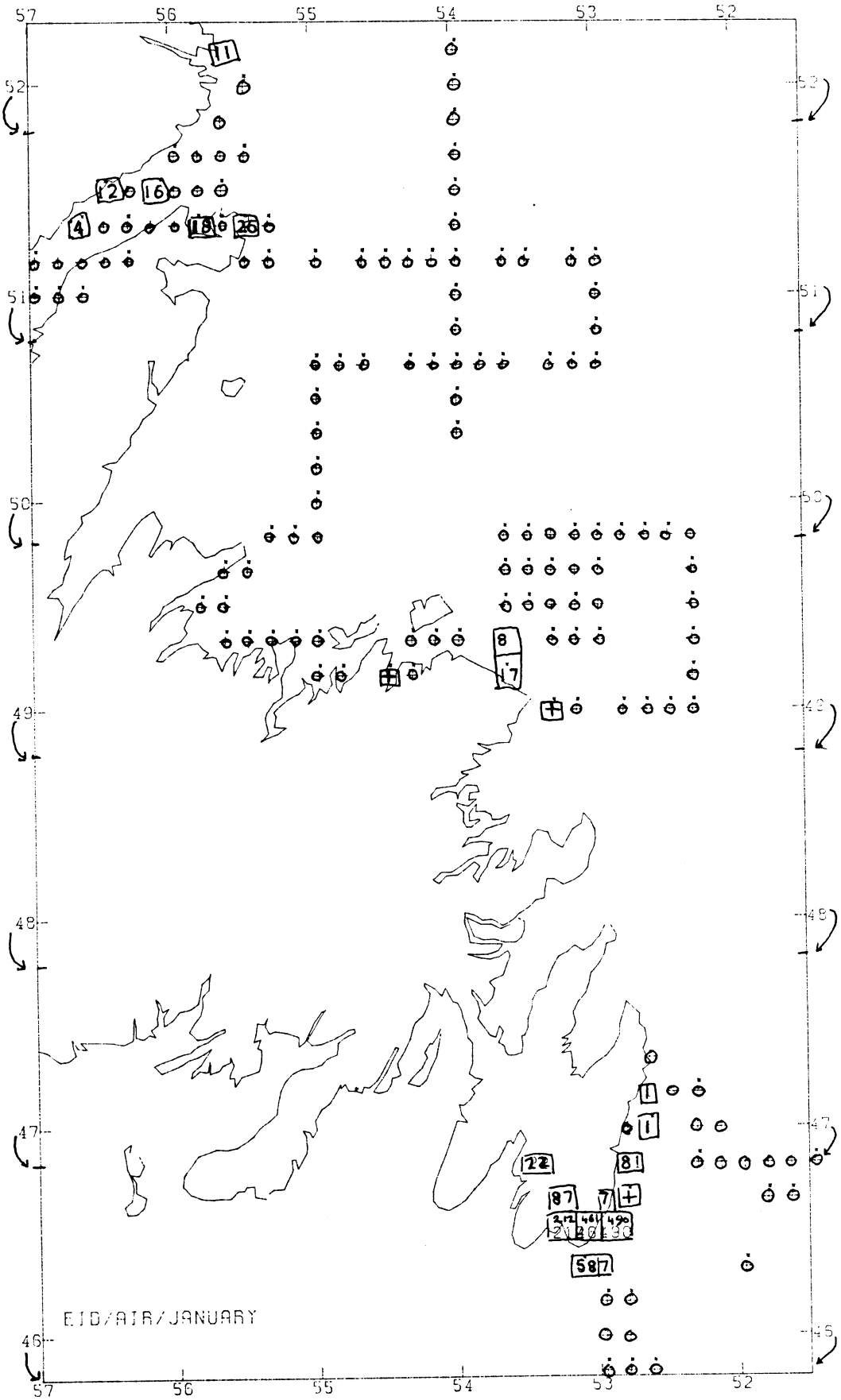
M.4

TBM
SHIPBOARD

Map 13e
Atlantic, October–December



E.1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46
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12
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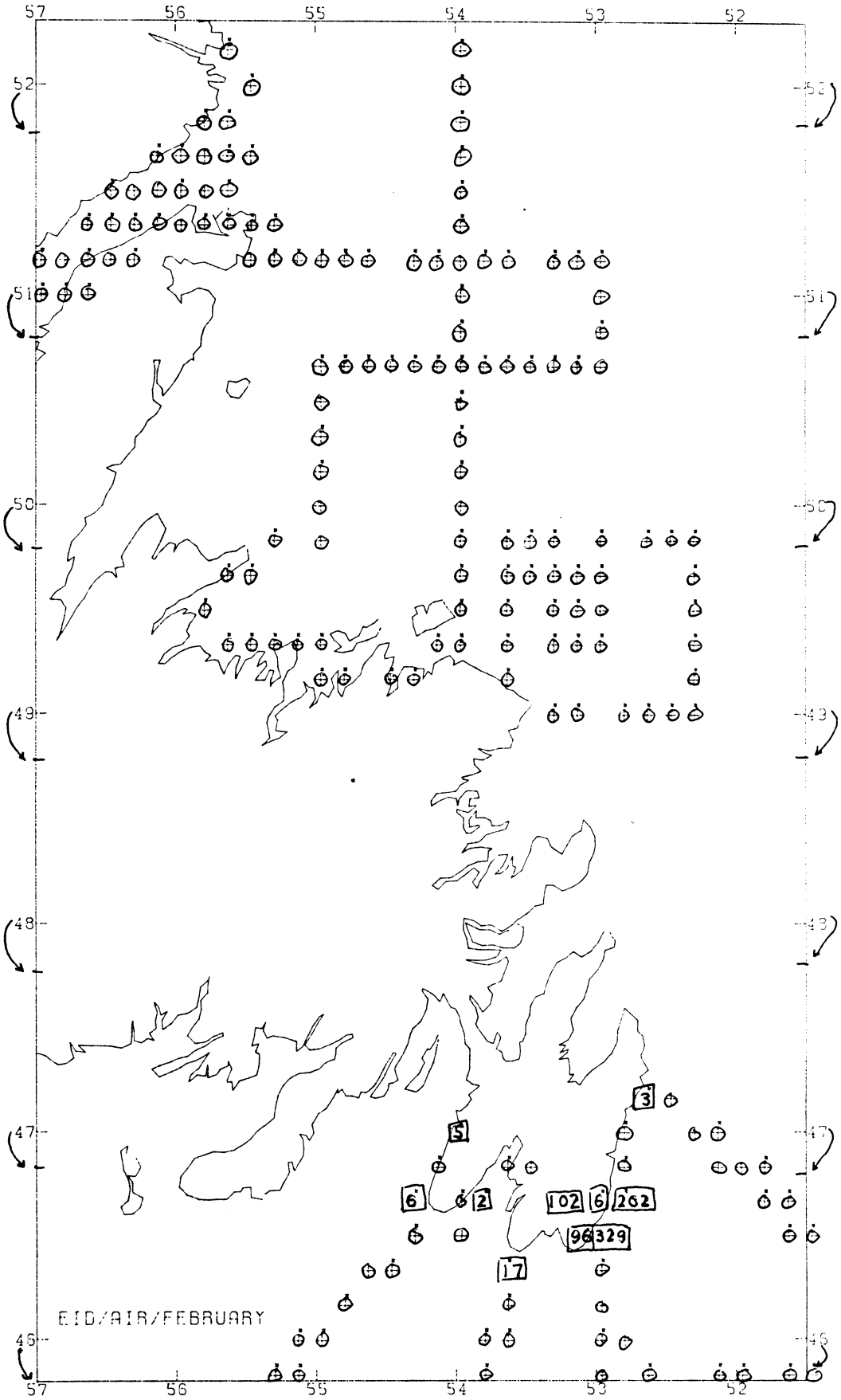
18
26
8
17
1
1
22
81
87
7
587
EID/AIR/JANUARY

E.1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2
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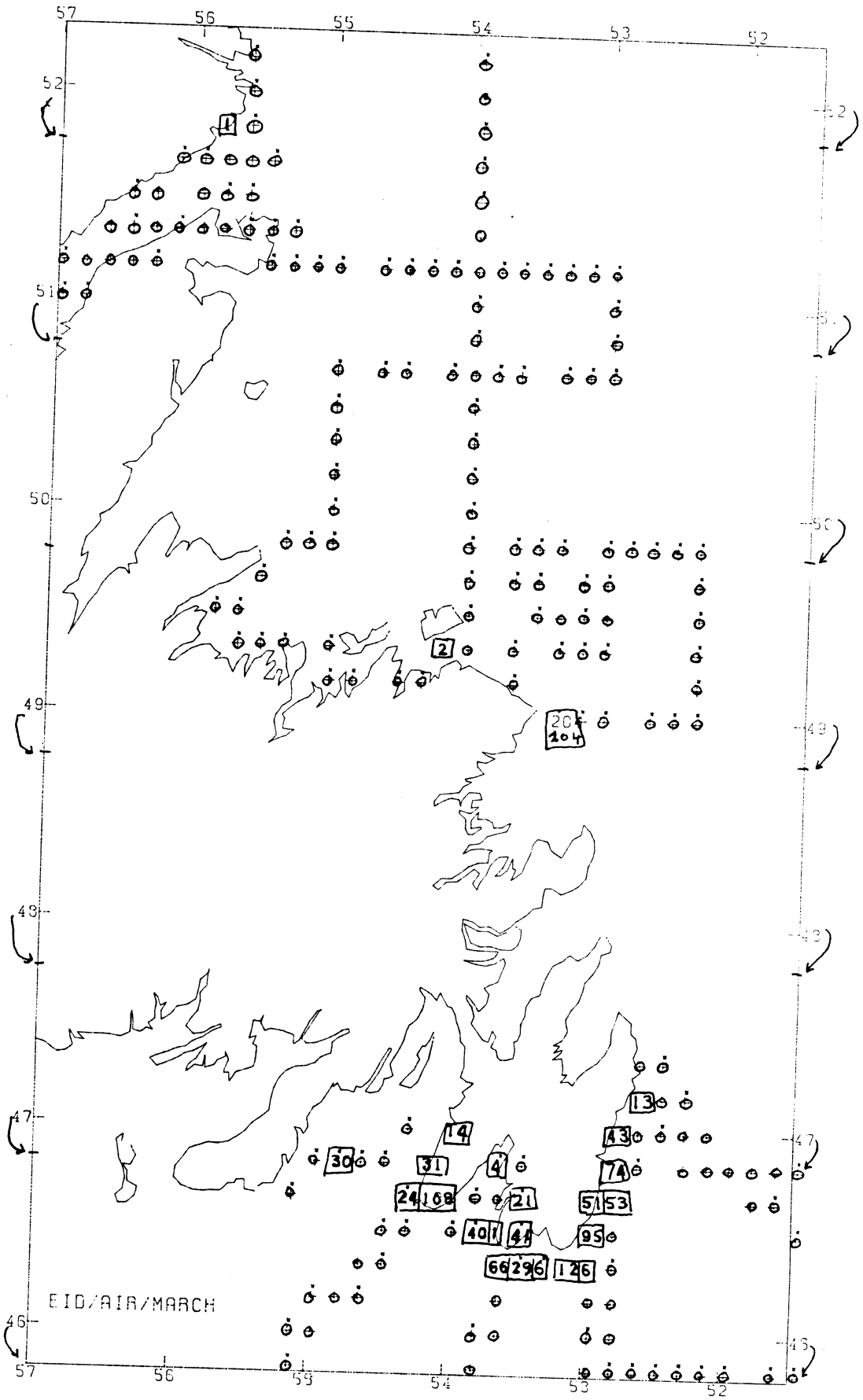
6
202
96
329
17
EID/AIR/FEBRUARY

E.1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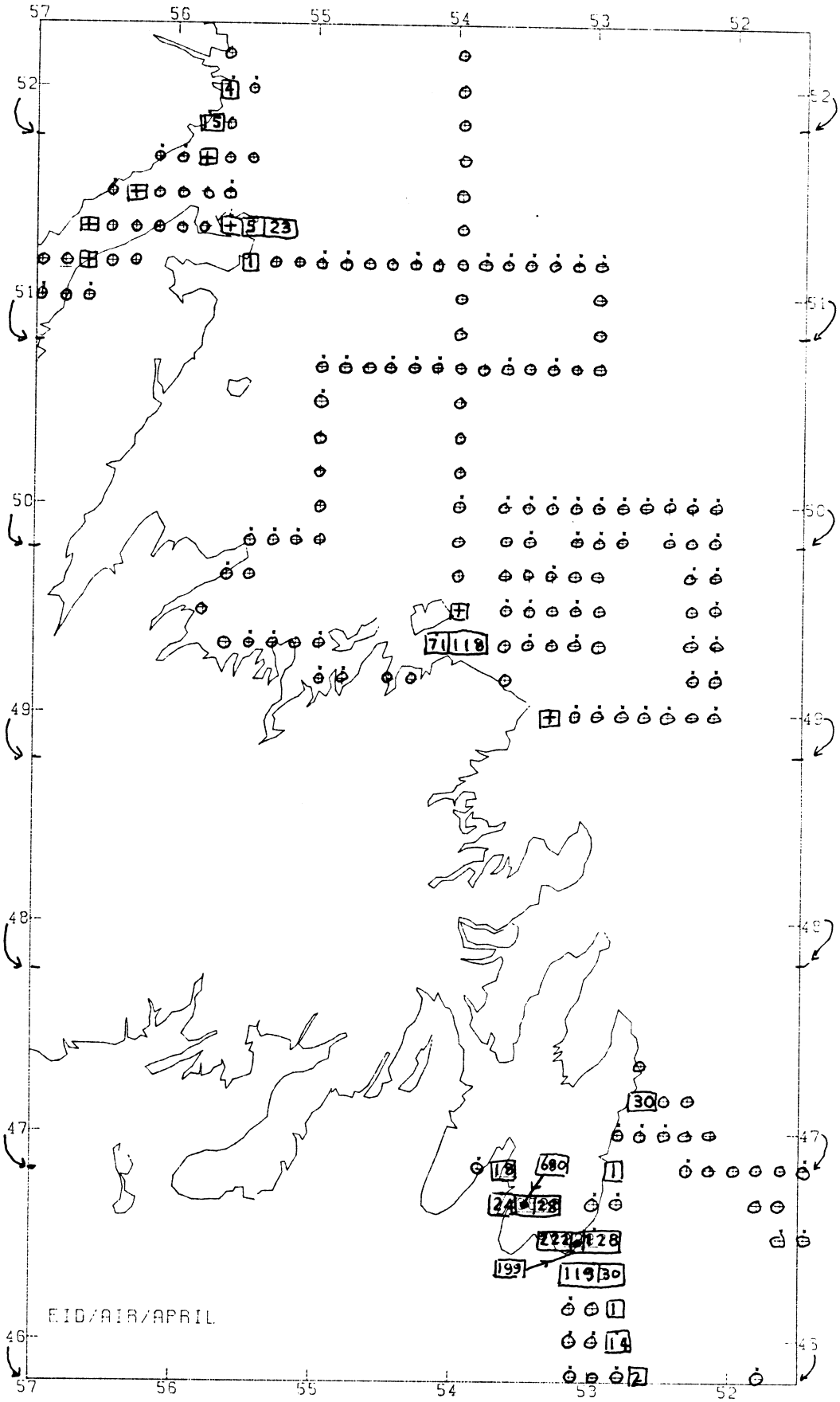
296
126
EID/AIR/MARCH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680
1
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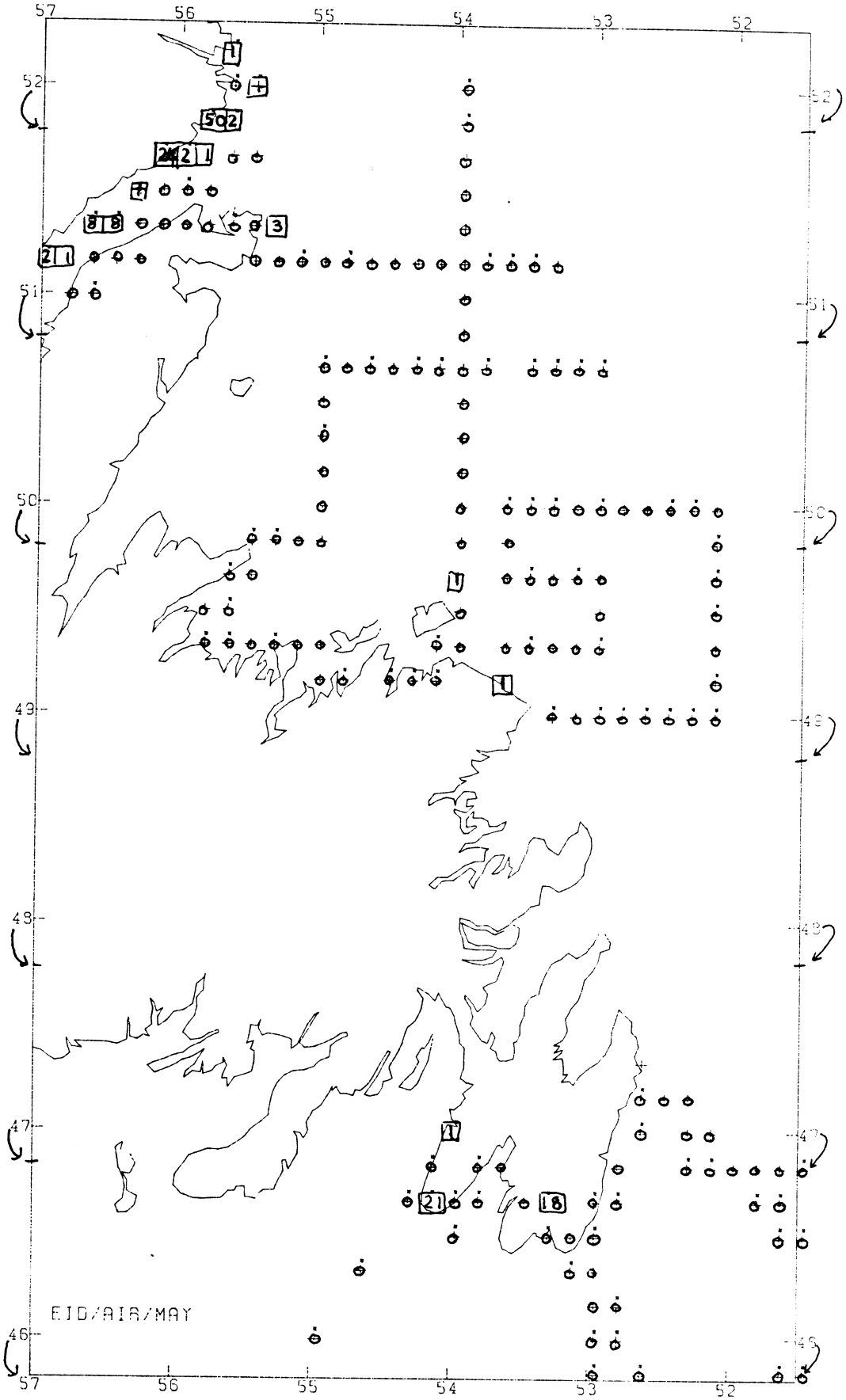
128
199
119
30
1
14
2
EID/AIR/APRIL

E.1



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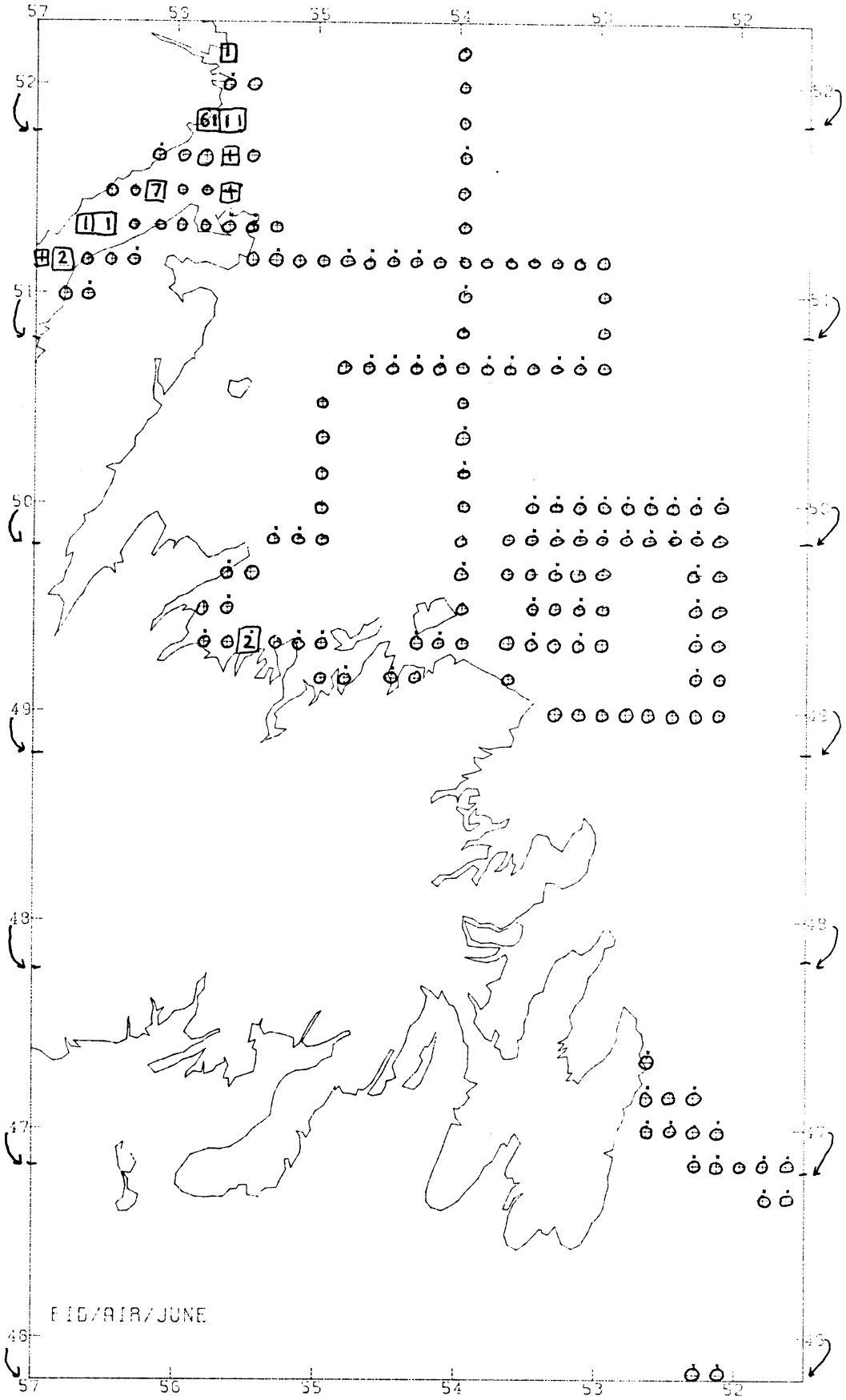

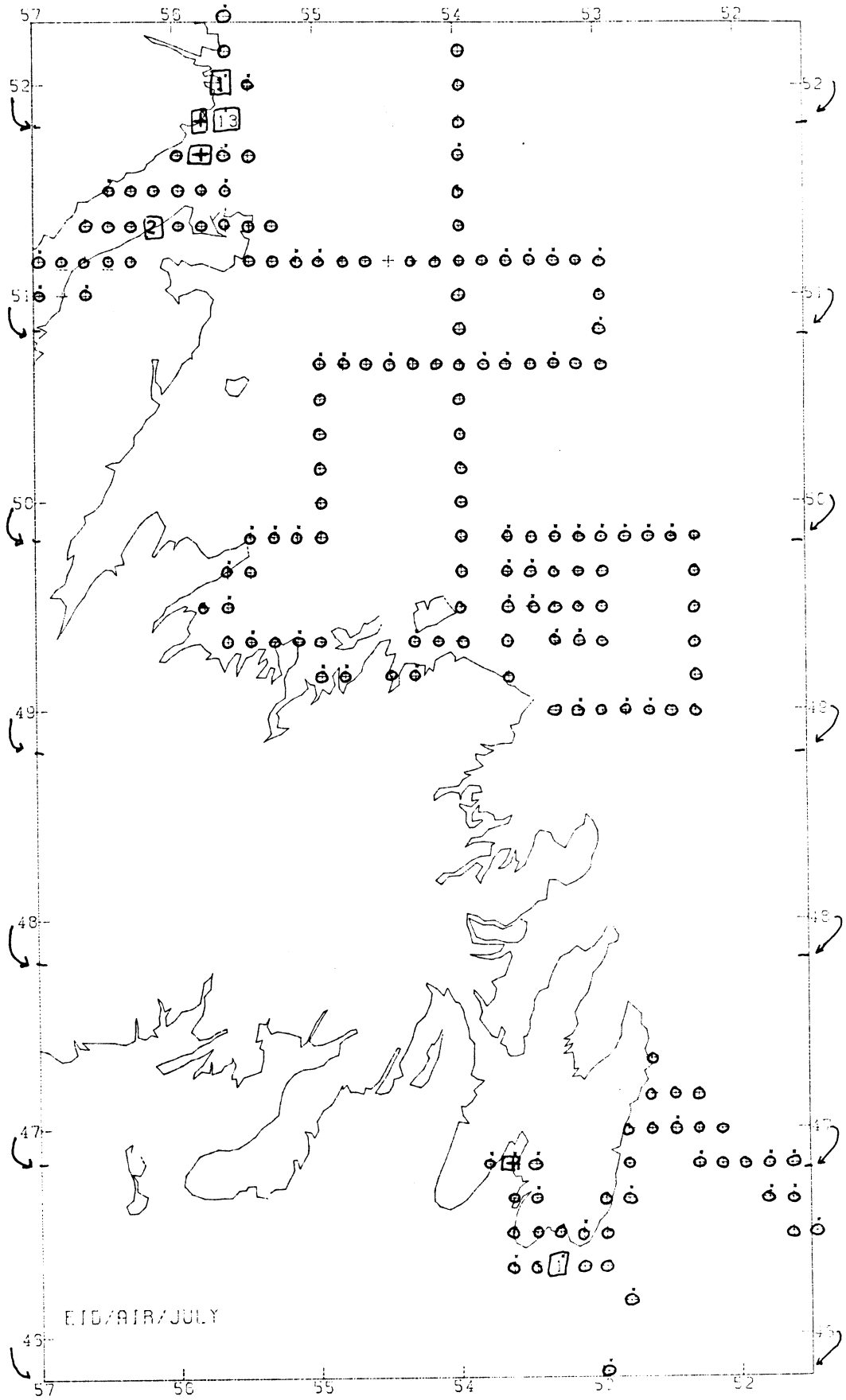
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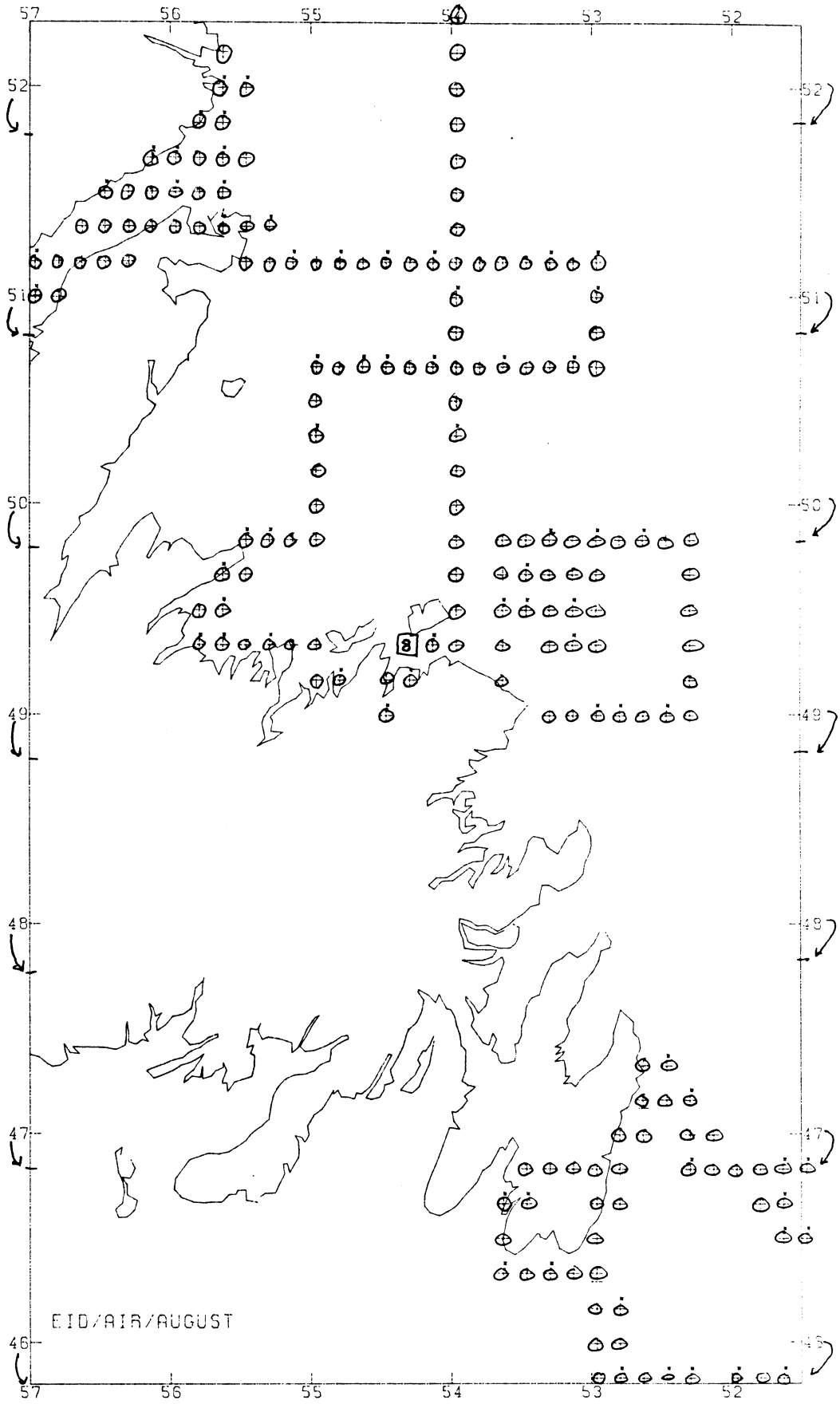
2
1
EID/AIR/JULY

E.1



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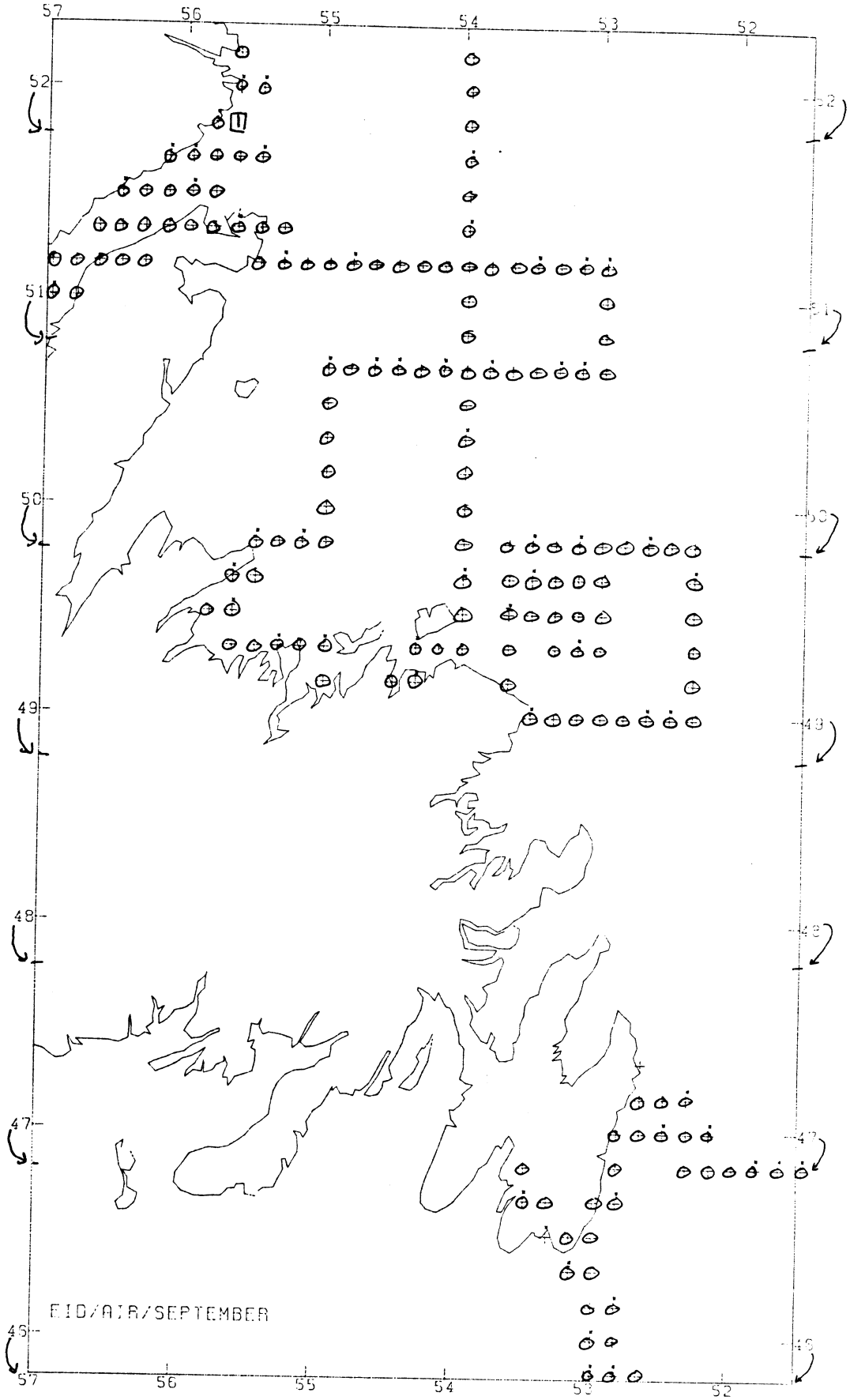

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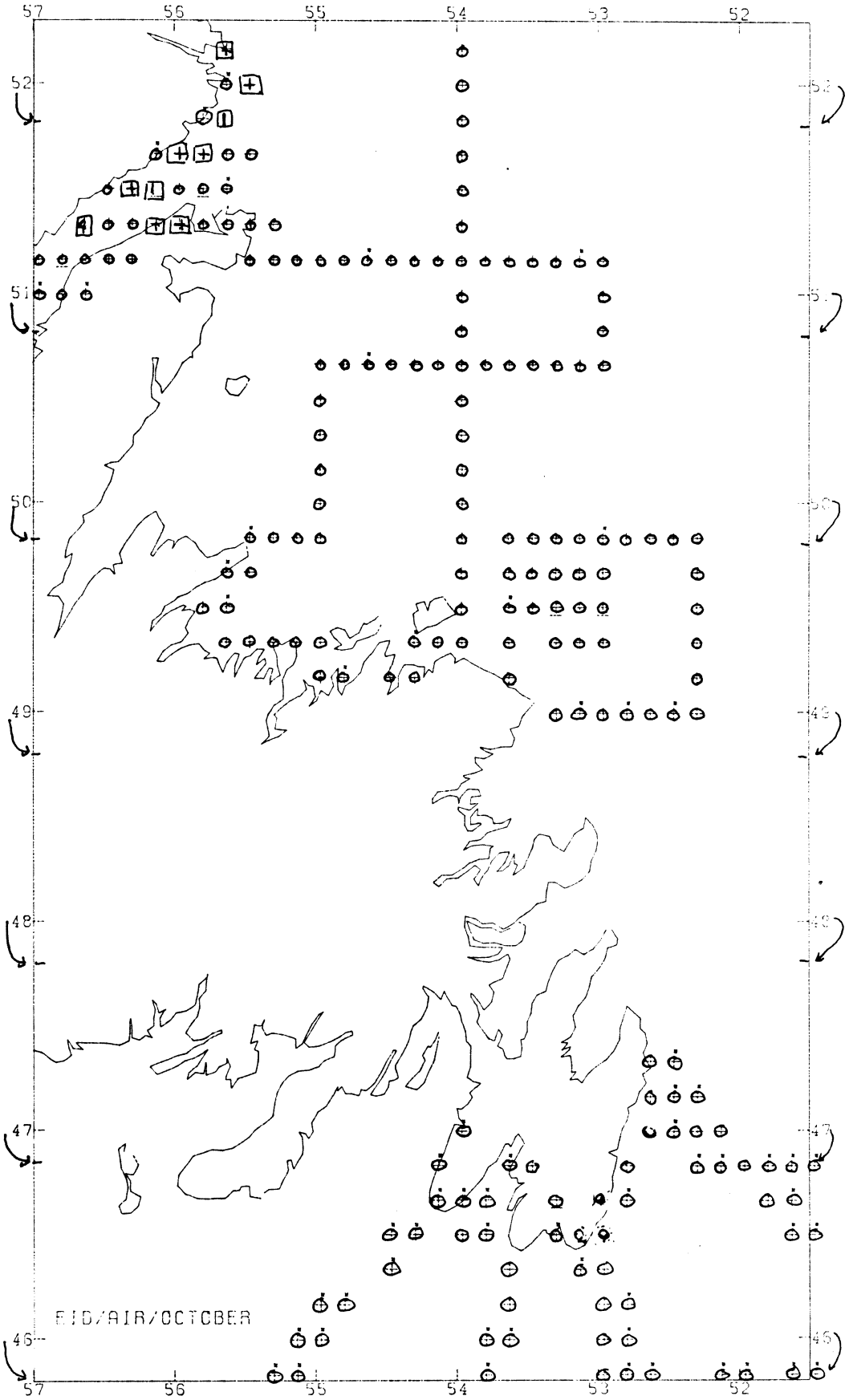

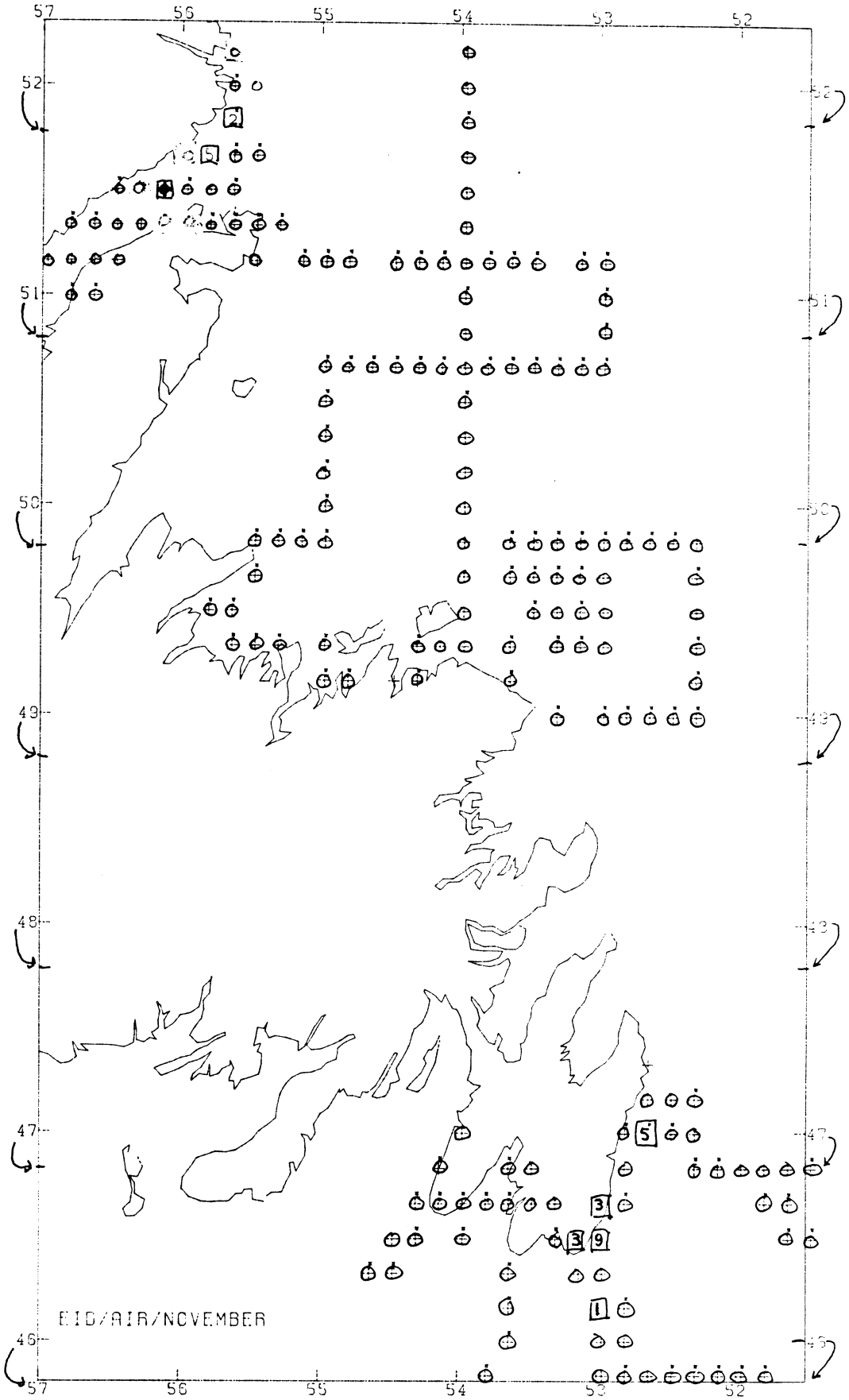
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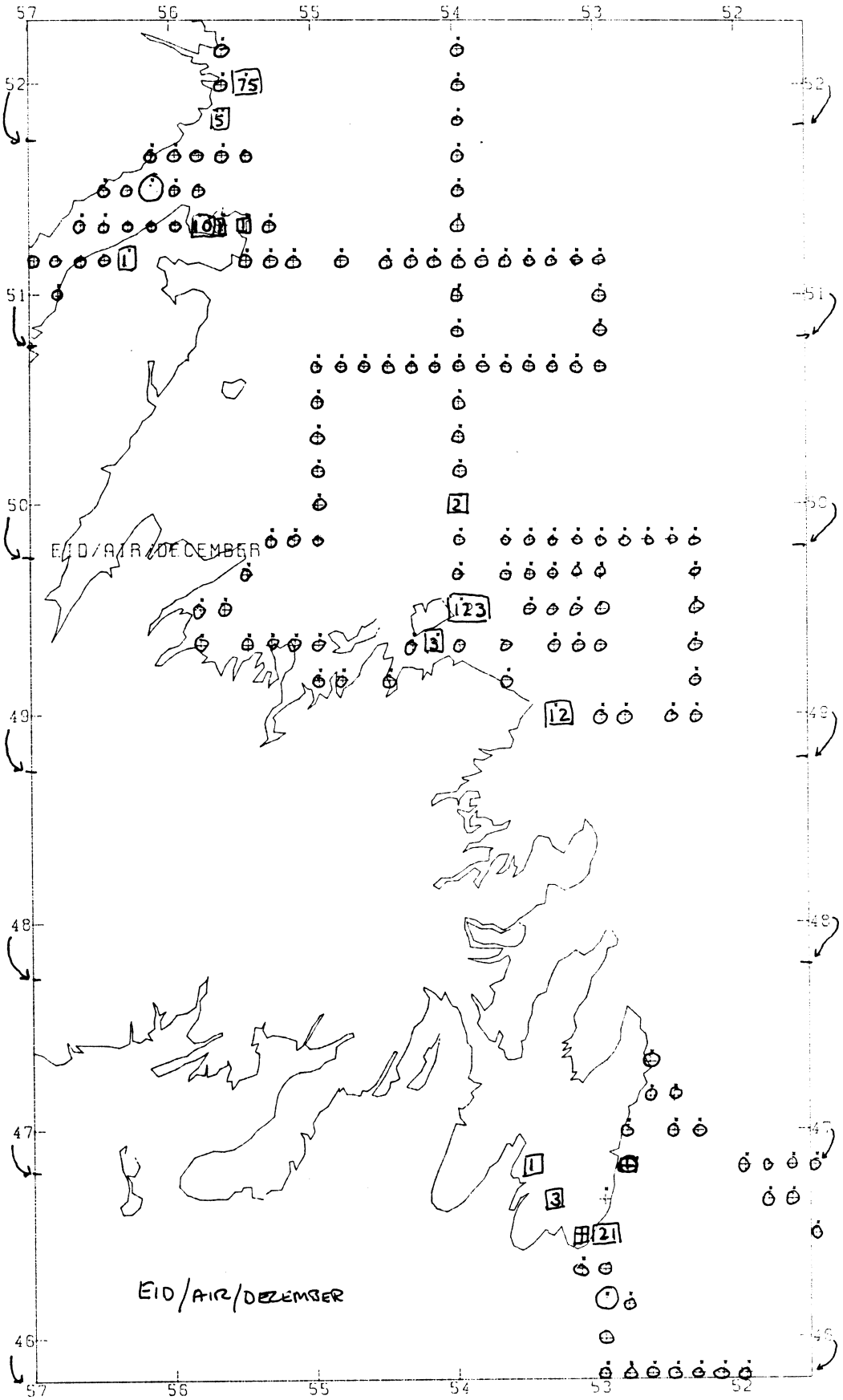
EID/AIR/NOVEMBER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51
50
49
48
47
46
EID/AIR/DECEMBER
EID/AIR/DECEMBER

EIDERS
AIR JANUARY #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4650	5140	1	0.00	0.00
4650	5150	2	0.00	0.00
4630	5200	1	0.00	0.00
4600	5240	1	0.00	0.00
4700	5130	1	0.00	0.00
4700	5140	3	0.00	0.00
4600	5250	1	0.00	0.00
4700	5150	3	0.00	0.00
4610	5250	3	0.00	0.00
4620	5250	1	0.00	0.00
4600	5300	2	0.00	0.00
4650	5250	2	.81	.40
4610	5300	3	0.00	0.00
4700	5200	5	0.00	0.00
4620	5300	2	0.00	0.00
4700	5210	4	0.00	0.00
4710	5210	3	0.00	0.00
4630	5300	3	20.25	6.75
4700	5220	1	0.00	0.00
4630	5310	1	57.51	57.51
4710	5220	4	0.00	0.00
4640	5300	6	2939.25	489.88
4720	5220	2	0.00	0.00
4640	5310	8	3688.44	461.06
4650	5300	4	29.16	7.29
4700	5250	4	323.97	80.99
4720	5230	4	0.00	0.00
4640	5320	2	423.60	211.80
4710	5240	1	.81	.81
4710	5250	3	0.00	0.00
4650	5320	8	697.35	87.17
4720	5240	3	2.43	.81
4730	5240	4	0.00	0.00
4700	5330	8	179.00	22.37
4910	5220	1	0.00	0.00
4910	5230	1	0.00	0.00
4920	5220	1	0.00	0.00
4910	5240	1	0.00	0.00
4930	5220	1	0.00	0.00
4910	5250	1	0.00	0.00
4940	5220	2	0.00	0.00
4950	5220	1	0.00	0.00
4910	5310	1	0.00	0.00
5000	5220	3	0.00	0.00
4910	5320	2	.40	.20
4930	5300	2	0.00	0.00
5000	5230	1	0.00	0.00
4930	5310	1	0.00	0.00
4940	5300	3	0.00	0.00
5000	5240	1	0.00	0.00
4930	5320	1	0.00	0.00
4950	5300	2	0.00	0.00
4940	5310	2	0.00	0.00
5000	5250	2	0.00	0.00
4920	5340	2	33.21	16.60
4950	5310	2	0.00	0.00
4940	5320	4	0.00	0.00
4930	5340	5	38.47	7.69
4950	5320	1	0.00	0.00

EIDERS AIR JAN #2

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4940	5330	2	0.00	0.00
4940	5340	2	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	1	0.00	0.00
5000	5300	1	0.00	0.00
5000	5310	2	0.00	0.00
5000	5320	3	0.00	0.00
4930	5400	1	0.00	0.00
5000	5330	1	0.00	0.00
4920	5420	2	0.00	0.00
4930	5410	1	0.00	0.00
5000	5340	1	0.00	0.00
4920	5430	2	.40	.20
4930	5420	1	0.00	0.00
5050	5300	2	0.00	0.00
4920	5450	1	0.00	0.00
5050	5310	1	0.00	0.00
5050	5320	1	0.00	0.00
5050	5340	1	0.00	0.00
5050	5350	1	0.00	0.00
5100	5300	1	0.00	0.00
4920	5500	1	0.00	0.00
5110	5300	2	0.00	0.00
4930	5500	2	0.00	0.00
5120	5300	1	0.00	0.00
4930	5510	1	0.00	0.00
5030	5400	2	0.00	0.00
5120	5310	1	0.00	0.00
4930	5520	2	0.00	0.00
5040	5400	1	0.00	0.00
4930	5530	2	0.00	0.00
5050	5400	2	0.00	0.00
5120	5330	2	0.00	0.00
4930	5540	1	0.00	0.00
5050	5410	1	0.00	0.00
5120	5340	1	0.00	0.00
4940	5540	1	0.00	0.00
4950	5530	2	0.00	0.00
5050	5420	1	0.00	0.00
4940	5550	2	0.00	0.00
4950	5540	1	0.00	0.00
5050	5440	1	0.00	0.00
5000	5500	3	0.00	0.00
5050	5450	1	0.00	0.00
5100	5400	2	0.00	0.00
5000	5510	1	0.00	0.00
5010	5500	1	0.00	0.00
5110	5400	2	0.00	0.00
5000	5520	1	0.00	0.00
5020	5500	2	0.00	0.00
5120	5400	2	0.00	0.00
5030	5500	1	0.00	0.00
5120	5410	1	0.00	0.00
5130	5400	2	0.00	0.00
5040	5500	2	0.00	0.00
5120	5420	1	0.00	0.00
5140	5400	1	0.00	0.00
5050	5500	1	0.00	0.00
5120	5430	1	0.00	0.00
5150	5400	1	0.00	0.00
5120	5440	1	0.00	0.00
5200	5400	3	0.00	0.00
5210	5400	2	0.00	0.00
5120	5500	2	0.00	0.00
5220	5400	1	0.00	0.00

AVERAGE /km.

E.2

5120	5520	1	0.00	0.00
5120	5530	3	0.00	0.00
5130	5520	1	0.00	0.00
5130	5530	1	26.32	26.32
5130	5540	1	0.00	0.00
5130	5550	1	18.22	18.22
5150	5530	1	0.00	0.00
5140	5540	1	0.00	0.00
5140	5550	4	0.00	0.00
5150	5540	3	0.00	0.00
5150	5550	4	0.00	0.00
5130	5600	3	0.00	0.00
5120	5620	2	0.00	0.00
5130	5610	3	0.00	0.00
5140	5600	3	0.00	0.00
5200	5540	3	0.00	0.00
5210	5530	1	0.00	0.00
5110	5640	1	0.00	0.00
5120	5630	5	0.00	0.00
5140	5610	3	0.00	0.00
5150	5600	1	48.60	16.20
5130	5620	2	0.00	0.00
5120	5640	4	0.00	0.00
5130	5630	3	0.00	0.00
5140	5620	3	0.00	0.00
5110	5650	1	0.00	0.00
5220	5540	3	0.00	0.00
5120	5650	5	32.40	10.80
5130	5640	2	0.00	0.00
5140	5630	1	8.10	4.05
5110	5700	1	12.15	12.15
5120	5700	1	0.00	0.00
			0.00	0.00

EIDERS
AIR
JANUARY
#3

AVERAGE
/km

EIDERS AIR FEBRUARY #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5130	1	0.00	0.00
4600	5140	1	0.00	0.00
4640	5130	2	0.00	0.00
4640	5140	1	0.00	0.00
4650	5140	1	0.00	0.00
4600	5200	1	0.00	0.00
4650	5150	2	0.00	0.00
4600	5210	1	0.00	0.00
4600	5240	2	0.00	0.00
4700	5150	1	0.00	0.00
4610	5250	3	0.00	0.00
4600	5300	3	0.00	0.00
4650	5250	1	202.48	202.48
4610	5300	2	0.00	0.00
4700	5200	3	0.00	0.00
4700	5210	3	0.00	0.00
4620	5300	4	0.00	0.00
4630	5300	2	0.00	0.00
4710	5210	1	0.00	0.00
4710	5220	3	0.00	0.00
4640	5300	3	987.31	329.10
4600	5350	1	0.00	0.00
4610	5340	2	0.00	0.00
4640	5310	5	477.86	95.57
4650	5300	2	12.15	6.07
4610	5350	1	0.00	0.00
4700	5250	1	0.00	0.00
4720	5230	4	0.00	0.00
4620	5340	1	0.00	0.00
4710	5250	1	0.00	0.00
4720	5240	2	5.67	2.83
4630	5340	2	33.21	16.60
4650	5320	3	305.35	101.78
4650	5350	1	1.62	1.62
4640	5400	3	0.00	0.00
4700	5330	4	0.00	0.00
4700	5340	1	0.00	0.00
4650	5400	1	0.00	0.00
4640	5420	1	0.00	0.00
4630	5430	1	0.00	0.00
4620	5450	2	0.00	0.00
4630	5440	3	0.00	0.00
4650	5420	2	12.96	6.48
4600	5510	2	0.00	0.00
4610	5500	2	0.00	0.00
4600	5520	1	0.00	0.00
4610	5510	1	0.00	0.00
4700	5410	1	0.00	0.00
4710	5400	3	14.58	4.86
4910	5220	2	0.00	0.00
4910	5230	1	0.00	0.00
4920	5220	2	0.00	0.00
4910	5240	1	0.00	0.00
4930	5220	1	0.00	0.00
4910	5250	1	0.00	0.00
4940	5220	1	0.00	0.00
4950	5220	2	0.00	0.00
4910	5310	1	0.00	0.00
5000	5220	1	0.00	0.00

EIDERS AIR FEB. #2

4940	5320	2	0.00	0.00
4930	5300	1	0.00	0.00
5000	5230	1	0.00	0.00
4930	5310	1	0.00	0.00
4940	5300	3	0.00	0.00
5000	5240	1	0.00	0.00
4930	5320	1	0.00	0.00
4950	5300	2	0.00	0.00
4940	5310	1	0.00	0.00
4920	5340	1	0.00	0.00
4940	5320	2	0.00	0.00
4950	5310	2	0.00	0.00
4930	5340	1	0.00	0.00
4950	5320	1	0.00	0.00
4940	5340	1	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	1	0.00	0.00
5000	5300	2	0.00	0.00
5000	5320	1	0.00	0.00
4930	5400	1	0.00	0.00
5000	5330	1	0.00	0.00
4920	5420	1	0.00	0.00
4930	5410	1	0.00	0.00
4940	5400	2	0.00	0.00
5000	5340	1	0.00	0.00
4920	5430	1	0.00	0.00
4950	5400	2	0.00	0.00
5050	5300	3	0.00	0.00
4920	5450	1	0.00	0.00
5050	5310	2	0.00	0.00
5050	5320	1	0.00	0.00
5050	5330	1	0.00	0.00
5050	5340	1	0.00	0.00
5000	5400	1	0.00	0.00
5050	5350	2	0.00	0.00
5100	5300	2	0.00	0.00
5010	5400	3	0.00	0.00
4920	5500	1	0.00	0.00
5110	5300	3	0.00	0.00
5020	5400	2	0.00	0.00
4930	5500	1	0.00	0.00
5120	5300	1	0.00	0.00
4930	5510	1	0.00	0.00
5030	5400	1	0.00	0.00
5120	5310	1	0.00	0.00
4930	5520	1	0.00	0.00
5040	5400	2	0.00	0.00
5120	5320	2	0.00	0.00
4930	5530	1	0.00	0.00
5050	5400	2	0.00	0.00
4930	5540	1	0.00	0.00
5050	5410	1	0.00	0.00
5120	5340	2	0.00	0.00
4950	5530	1	0.00	0.00
5050	5420	1	0.00	0.00
5120	5350	1	0.00	0.00
4940	5550	2	0.00	0.00
4950	5540	1	0.00	0.00
5050	5430	1	0.00	0.00
5050	5440	1	0.00	0.00
5000	5500	3	0.00	0.00
5050	5450	1	0.00	0.00
5100	5400	2	0.00	0.00
5010	5500	3	0.00	0.00
5110	5400	2	0.00	0.00

AVERAGE /km.

E.2

5000	5520	2	8:88	8:88
5020	5560	2	0.00	0.00
5120	5400	3	0.00	0.00
5030	5500	2	0.00	0.00
5120	5410	2	0.00	0.00
5130	5400	2	0.00	0.00
5040	5500	3	0.00	0.00
5120	5420	2	0.00	0.00
5140	5400	1	0.00	0.00
5050	5500	1	0.00	0.00
5150	5400	2	0.00	0.00
5120	5440	2	0.00	0.00
5120	5450	1	0.00	0.00
5200	5400	2	0.00	0.00
5210	5400	2	0.00	0.00
5120	5500	1	0.00	0.00
5220	5400	1	0.00	0.00
5120	5510	1	0.00	0.00
5120	5520	2	0.00	0.00
5120	5530	3	0.00	0.00
5130	5520	1	0.00	0.00
5130	5530	2	0.00	0.00
5130	5540	1	0.00	0.00
5130	5550	1	0.00	0.00
5150	5530	1	0.00	0.00
5140	5540	1	0.00	0.00
5140	5550	3	0.00	0.00
5150	5540	2	0.00	0.00
5150	5550	4	0.00	0.00
5130	5600	3	0.00	0.00
5120	5620	2	0.00	0.00
5130	5610	2	0.00	0.00
5140	5600	1	0.00	0.00
5200	5540	1	0.00	0.00
5210	5530	2	0.00	0.00
5110	5640	1	0.00	0.00
5120	5630	5	0.00	0.00
5140	5610	5	0.00	0.00
5150	5600	2	0.00	0.00
5200	5550	1	0.00	0.00
5120	5640	2	0.00	0.00
5130	5630	2	0.00	0.00
5140	5620	3	0.00	0.00
5150	5610	1	0.00	0.00
5220	5540	2	0.00	0.00
5120	5650	7	0.00	0.00
5130	5640	1	0.00	0.00
5140	5630	1	0.00	0.00
5130	5620	2	0.00	0.00
5110	5650	1	0.00	0.00
5110	5700	1	0.00	0.00
5120	5700	1	0.00	0.00

EIDERS
AIR
FEBRUARY
#3

AVERAGE
/km.

E.2

EIDERS AIRMARCH #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5130	1	0.00	0.00
4600	5140	2	0.00	0.00
4640	5130	1	0.00	0.00
4650	5140	1	0.00	0.00
4600	5200	1	0.00	0.00
4650	5150	4	0.00	0.00
4600	5210	1	0.00	0.00
4600	5220	1	0.00	0.00
4600	5230	1	0.00	0.00
4600	5240	2	0.00	0.00
4700	5130	2	0.00	0.00
4700	5140	5	0.00	0.00
4600	5250	1	0.00	0.00
4700	5150	4	0.00	0.00
4610	5250	3	0.00	0.00
4620	5250	3	0.00	0.00
4630	5250	2	0.00	0.00
4640	5250	3	0.00	0.00
4600	5300	4	0.00	0.00
4650	5250	6	315.06	52.51
4610	5300	2	0.00	0.00
4700	5200	6	0.00	0.00
4700	5210	7	0.00	0.00
4620	5300	8	0.00	0.00
4700	5220	3	0.00	0.00
4710	5210	3	0.00	0.00
4630	5300	9	51.03	5.67
4710	5220	5	0.00	0.00
4640	5300	9	853.67	94.85
4630	5310	4	46.17	11.54
4600	5350	6	0.00	0.00
4700	5240	1	0.00	0.00
4720	5220	2	0.00	0.00
4650	5300	7	353.94	50.56
4710	5230	1	0.00	0.00
4610	5350	1	0.00	0.00
4700	5250	8	592.06	74.01
4720	5230	6	0.00	0.00
4710	5240	6	0.00	0.00
4610	5340	4	0.00	0.00
4620	5340	4	0.00	0.00
4710	5250	5	216.25	43.25
4720	5240	8	101.24	12.66
4630	5340	7	464.09	66.30
4730	5230	1	0.00	0.00
4630	5320	1	6.48	6.48
4640	5340	5	4.86	.97
4730	5240	5	0.00	0.00
4630	5330	2	57.51	28.75
4640	5330	2	81.80	40.90
4650	5330	1	21.06	21.06
4640	5350	1	40.50	40.50
4650	5340	5	0.00	0.00
4650	5350	1	0.00	0.00
4640	5400	1	0.00	0.00
4700	5330	1	0.00	0.00
4700	5340	1	4.05	4.05
4620	5440	1	0.00	0.00
4640	5420	2	0.00	0.00

EIDERS AIR MARCH #2

4630	5410	1	440.58	107.72
4630	5430	4	0.00	0.00
4620	5450	3	0.00	0.00
4630	5440	2	0.00	0.00
4640	5430	2	0.00	0.00
4650	5420	2	47.79	23.89
4600	5510	3	0.00	0.00
4610	5500	1	0.00	0.00
4610	5510	1	0.00	0.00
4620	5500	4	124.73	31.18
4700	5410	5	69.65	13.93
4710	5400	1	0.00	0.00
4710	5420	1	0.00	0.00
4700	5430	1	0.00	0.00
4700	5440	1	29.97	29.97
4700	5450	1	0.00	0.00
4650	5510	1	0.00	0.00
4910	5220	1	0.00	0.00
4910	5230	2	0.00	0.00
4920	5220	1	0.00	0.00
4910	5240	1	0.00	0.00
4930	5220	1	0.00	0.00
4940	5220	2	0.00	0.00
4950	5220	1	0.00	0.00
4700	5500	1	0.00	0.00
4910	5300	1	0.00	0.00
4910	5310	1	0.00	0.00
5000	5220	1	204.10	204.10
4910	5320	2	0.00	0.00
4930	5300	1	0.00	0.00
5000	5230	1	0.00	0.00
4930	5310	3	0.00	0.00
4940	5300	1	0.00	0.00
5000	5240	1	0.00	0.00
4930	5320	1	0.00	0.00
4950	5300	1	0.00	0.00
4940	5310	1	0.00	0.00
5000	5250	1	0.00	0.00
4920	5340	2	0.00	0.00
4950	5310	3	0.00	0.00
4940	5320	1	0.00	0.00
4930	5340	1	0.00	0.00
4940	5330	1	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	1	0.00	0.00
5000	5300	1	0.00	0.00
5000	5320	3	0.00	0.00
4930	5400	1	0.00	0.00
5000	5330	1	0.00	0.00
4920	5420	1	1.62	1.62
4930	5410	1	0.00	0.00
4940	5400	1	0.00	0.00
5000	5340	1	0.00	0.00
4920	5430	2	0.00	0.00
4950	5400	2	0.00	0.00
5050	5300	1	0.00	0.00
4920	5450	1	0.00	0.00
5050	5310	1	0.00	0.00
5050	5320	1	0.00	0.00
5050	5340	2	0.00	0.00
5000	5400	1	0.00	0.00
5050	5350	2	0.00	0.00
5100	5300	1	0.00	0.00
5010	5400	1	0.00	0.00
4920	5500			

AVERAGE /Km

E.2

EIDERS AIR MARCH #3

5140	5380	1	0.00	AVERAGE	0.00
5020	5400	2	0.00	/km	0.00
4930	5500	2	0.00		0.00
5120	5300	1	0.00		0.00
5030	5400	1	0.00		0.00
5120	5310	1	0.00		0.00
4930	5520	2	0.00		0.00
5040	5400	2	0.00		0.00
5120	5320	1	0.00		0.00
4930	5530	1	0.00		0.00
5050	5400	3	0.00		0.00
5120	5330	1	0.00		0.00
4930	5540	1	0.00		0.00
5050	5410	2	0.00		0.00
5120	5340	1	0.00		0.00
4940	5540	1	0.00		0.00
4950	5530	2	0.00		0.00
5120	5350	1	0.00		0.00
4940	5550	1	0.00		0.00
5050	5430	1	0.00		0.00
5050	5440	1	0.00		0.00
5000	5500	2	0.00		0.00
5100	5400	2	0.00		0.00
5010	5500	1	0.00		0.00
5000	5510	1	0.00		0.00
5110	5400	2	0.00		0.00
5000	5520	2	0.00		0.00
5020	5500	1	0.00		0.00
5120	5400	3	0.00		0.00
5030	5500	2	0.00		0.00
5120	5410	1	0.00		0.00
5130	5400	3	0.00		0.00
5040	5500	2	0.00		0.00
5120	5420	1	0.00		0.00
5140	5400	2	0.00		0.00
5050	5500	1	0.00		0.00
5120	5430	1	0.00		0.00
5150	5400	2	0.00		0.00
5120	5440	1	0.00		0.00
5200	5400	2	0.00		0.00
5210	5400	3	0.00		0.00
5120	5500	1	0.00		0.00
5220	5400	2	0.00		0.00
5120	5510	1	0.00		0.00
5120	5520	1	0.00		0.00
5120	5530	2	0.00		0.00
5130	5520	1	0.00		0.00
5130	5530	1	0.00		0.00
5130	5540	1	0.00		0.00
5130	5550	3	0.00		0.00
5150	5530	1	0.00		0.00
5140	5540	1	0.00		0.00
5140	5550	2	0.00		0.00
5150	5540	3	0.00		0.00
5150	5550	3	0.00		0.00
5130	5600	3	0.00		0.00
5130	5610	2	0.00		0.00
5120	5520	2	0.00		0.00
5140	5600	3	0.00		0.00
5200	5540	1	0.00		0.00
5120	5530	3	0.00		0.00
5130	5520	4	0.00		0.00
5150	5600	2	0.00		0.00
5210	5540	1	0.00		0.00
5120	5640	5	0.00		0.00

EIDERS AIR MARCH #4

5130	5630	2	0.00	AVERAGE	0.00
5140	5620	5	0.00	/km.	0.00
5150	5610	1	0.00		0.00
5110	5650	1	0.00		0.00
5120	5650	5	0.00		0.00
5130	5540	3	0.00		0.00
5140	5630	1	0.00		0.00
5220	5540	2	0.00		0.00
5200	5550	1	.81		.81
5110	5700	1	0.00		0.00
5120	5700	1	0.00		0.00

E.2

EIDERS AIR APRIL #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5150	2	0.00	0.00
4640	5130	1	0.00	0.00
4640	5140	1	0.00	0.00
4650	5140	3	0.00	0.00
4650	5150	3	0.00	0.00
4600	5240	5	10.53	2.11
4700	5130	2	0.00	0.00
4700	5140	3	0.00	0.00
4600	5250	1	0.00	0.00
4700	5150	3	0.00	0.00
4610	5250	2	28.35	14.17
4620	5250	3	1.62	.54
4600	5300	3	0.00	0.00
4650	5250	1	0.00	0.00
4600	5310	2	0.00	0.00
4610	5300	1	0.00	0.00
4700	5200	8	0.00	0.00
4610	5310	2	0.00	0.00
4700	5210	4	0.00	0.00
4620	5300	5	0.00	0.00
4700	5220	2	0.00	0.00
4710	5210	3	0.00	0.00
4630	5300	2	60.75	30.37
4620	5310	2	0.00	0.00
4710	5220	4	0.00	0.00
4640	5300	2	255.94	127.97
4630	5310	4	474.62	118.66
4720	5220	3	0.00	0.00
4650	5300	1	0.00	0.00
4640	5310	10	1990.82	199.08
4710	5230	1	0.00	0.00
4700	5250	4	3.24	.81
4720	5230	7	0.00	0.00
4710	5240	1	0.00	0.00
4640	5320	7	1551.03	221.58
4710	5250	2	0.00	0.00
4720	5240	4	121.49	30.37
4650	5320	4	111.77	27.94
4730	5240	5	0.00	0.00
4650	5330	12	8155.24	679.60
4650	5340	1	24.30	24.30
4700	5340	11	197.62	17.97
4700	5350	2	0.00	0.00
4910	5210	2	0.00	0.00
4910	5220	3	0.00	0.00
4920	5210	2	0.00	0.00
4910	5230	2	0.00	0.00
4930	5210	2	0.00	0.00
4920	5220	2	0.00	0.00
4910	5240	2	0.00	0.00
4940	5210	2	0.00	0.00
4930	5220	2	0.00	0.00
4910	5250	2	0.00	0.00
4950	5210	1	0.00	0.00
4940	5220	3	0.00	0.00
4950	5220	1	0.00	0.00
4910	5300	2	0.00	0.00
5000	5210	2	0.00	0.00
4910	5310	2	0.00	0.00

EIDERS AIR APRIL #2

5010	5210	1	8.00	8.00
5000	5220	3	8.00	8.00
4910	5320	3	.81	.27
4930	5300	3	0.00	0.00
5010	5220	1	0.00	0.00
5000	5230	2	0.00	0.00
4930	5310	2	0.00	0.00
4940	5300	6	0.00	0.00
5010	5230	1	0.00	0.00
4930	5320	3	0.00	0.00
4950	5300	3	0.00	0.00
4940	5310	1	0.00	0.00
5010	5240	1	0.00	0.00
5000	5250	2	0.00	0.00
4930	5330	2	0.00	0.00
4950	5310	5	0.00	0.00
4920	5340	4	0.00	0.00
5010	5250	1	0.00	0.00
4940	5320	3	0.00	0.00
4930	5340	4	0.00	0.00
4950	5320	1	0.00	0.00
4940	5330	1	0.00	0.00
4940	5340	1	0.00	0.00
4950	5330	3	0.00	0.00
4950	5340	3	0.00	0.00
5000	5300	1	0.00	0.00
5010	5300	1	0.00	0.00
5000	5310	2	0.00	0.00
5010	5310	1	0.00	0.00
4930	5400	4	473.81	118.45
5010	5320	2	0.00	0.00
4920	5420	3	0.00	0.00
4930	5410	2	141.74	70.87
4940	5400	3	.81	.27
5000	5330	2	0.00	0.00
5010	5330	2	0.00	0.00
5000	5340	3	0.00	0.00
4920	5430	3	0.00	0.00
4950	5400	3	0.00	0.00
5010	5340	1	0.00	0.00
5050	5300	4	0.00	0.00
5050	5310	3	0.00	0.00
4920	5450	1	0.00	0.00
5050	5320	1	0.00	0.00
5050	5330	3	0.00	0.00
5050	5340	2	0.00	0.00
5000	5400	4	0.00	0.00
5050	5350	4	0.00	0.00
5100	5300	3	0.00	0.00
5010	5400	2	0.00	0.00
4920	5500	1	0.00	0.00
5110	5300	3	0.00	0.00
5020	5400	3	0.00	0.00
4930	5500	2	0.00	0.00
5120	5300	2	0.00	0.00
5030	5400	3	0.00	0.00
4930	5510	3	0.00	0.00
5120	5310	2	0.00	0.00
5040	5400	4	0.00	0.00
4930	5520	1	0.00	0.00
5120	5320	2	0.00	0.00
4930	5530	2	0.00	0.00
5050	5400	4	0.00	0.00
5120	5330	2	0.00	0.00
4930	5540	4	0.00	0.00

AVERAGE /Km.

E.2

EIDERS AIR APRIL #3

5120	5340	5	8.88		8.88
4950	5530	4	0.00		0.00
5050	5420	2	0.00		0.00
5120	5350	2	0.00		0.00
4940	5550	4	0.00	AVERAGE	0.00
4950	5540	1	0.00		0.00
5020	5430	2	0.00		0.00
5050	5440	3	8.88	/km.	8.88
5000	5500	4	0.00		0.00
5050	5450	2	0.00		0.00
5100	5400	4	0.00		0.00
5010	5500	4	0.00		0.00
5000	5510	2	0.00		0.00
5110	5400	3	0.00		0.00
5000	5520	2	0.00		0.00
5020	5500	3	0.00		0.00
5120	5400	6	0.00		0.00
5000	5530	2	0.00		0.00
5030	5500	4	0.00		0.00
5120	5410	3	0.00		0.00
5130	5400	3	0.00		0.00
5040	5500	2	0.00		0.00
5140	5400	4	0.00		0.00
5120	5420	2	0.00		0.00
5050	5500	2	0.00		0.00
5120	5430	3	0.00		0.00
5150	5400	4	0.00		0.00
5120	5440	3	0.00		0.00
5120	5450	2	0.00		0.00
5200	5400	3	0.00		0.00
5210	5400	4	0.00		0.00
5120	5500	2	0.00		0.00
5220	5400	3	0.00		0.00
5120	5510	3	0.00		0.00
5120	5520	3	0.00		0.00
5120	5530	5	0.00		0.00
5130	5520	3	6.07		1.21
5130	5530	4	68.84		22.95
5130	5540	2	20.25		5.06
5130	5550	5	.40		.20
5150	5530	5	0.00		0.00
5140	5540	2	0.00		0.00
5140	5550	5	0.00		0.00
5150	5540	3	0.00		0.00
5150	5550	3	0.00		0.00
5130	5600	6	2.43		.30
5130	5610	4	0.00		0.00
5120	5620	3	0.00		0.00
5140	5600	4	0.00		0.00
5200	5540	3	0.00		0.00
5210	5530	2	0.00		0.00
5120	5630	5	0.00		0.00
5110	5640	2	0.00		0.00
5140	5610	5	0.00		0.00
5150	5600	2	0.00		0.00
5200	5550	1	15.39		15.39
5120	5640	7	.81		.12
5110	5650	3	0.00		0.00
5140	5620	5	2.02		.40
5150	5510	1	0.00		0.00
5210	5540	2	7.29		3.64
5120	5650	12	0.00		0.00
5130	5640	5	2.43		.49
5140	5630	2	0.00		0.00

EIDERS AIR APRIL #4

5220	5540	4	0.00		0.00
5130	5630	7	0.00		0.00
5130	5630	4	0.00		0.00
5110	5700	1	0.00		0.00
5120	5700	3	0.00		0.00
				AVERAGE /km.	

EIDERS AIRMAY #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5130	1	0.00	0.00
4600	5140	1	0.00	0.00
4640	5130	2	0.00	0.00
4640	5140	2	0.00	0.00
4650	5140	2	0.00	0.00
4650	5150	2	0.00	0.00
4600	5240	2	0.00	0.00
4700	5130	1	0.00	0.00
4700	5140	4	0.00	0.00
4700	5150	3	0.00	0.00
4610	5250	2	0.00	0.00
4620	5250	1	0.00	0.00
4600	5300	1	0.00	0.00
4650	5250	1	0.00	0.00
4610	5300	1	0.00	0.00
4700	5200	5	0.00	0.00
4620	5300	3	0.00	0.00
4700	5210	1	0.00	0.00
4710	5210	4	0.00	0.00
4630	5300	4	0.00	0.00
4700	5220	1	0.00	0.00
4710	5220	5	0.00	0.00
4630	5310	2	0.00	0.00
4640	5300	2	0.00	0.00
4720	5220	3	0.00	0.00
4640	5310	3	0.00	0.00
4650	5300	1	0.00	0.00
4700	5250	3	0.00	0.00
4720	5230	4	0.00	0.00
4640	5320	1	0.00	0.00
4710	5240	2	0.00	0.00
4550	5320	2	35.64	17.82
4720	5240	1	0.00	0.00
4730	5240	3	0.00	0.00
4650	5330	4	0.00	0.00
4650	5350	2	0.00	0.00
4640	5400	1	0.00	0.00
4700	5340	5	0.00	0.00
4650	5400	2	0.00	0.00
4700	5350	1	0.00	0.00
4650	5410	2	42.93	21.46
4630	5440	2	0.00	0.00
4650	5420	1	0.00	0.00
4610	5500	1	0.00	0.00
4700	5410	1	0.00	0.00
4710	5400	2	1.62	.81
4910	5210	2	0.00	0.00
4910	5220	2	0.00	0.00
4920	5210	2	0.00	0.00
4910	5230	1	0.00	0.00
4930	5210	3	0.00	0.00
4910	5240	1	0.00	0.00
4940	5210	2	0.00	0.00
4910	5250	2	0.00	0.00
4950	5210	2	0.00	0.00
4910	5300	1	0.00	0.00
5000	5210	2	0.00	0.00
4910	5310	3	0.00	0.00
5010	5210	4	0.00	0.00

EIDERS AIR MAY #2

4910	5220	2	0.00	0.00
4930	5308	1	0.00	0.00
5010	5220	2	0.00	0.00
4930	5310	3	0.00	0.00
4940	5300	5	0.00	0.00
5010	5230	2	0.00	0.00
4930	5320	4	0.00	0.00
4950	5300	3	0.00	0.00
5010	5240	3	0.00	0.00
4930	5330	2	0.00	0.00
4950	5310	2	0.00	0.00
4920	5340	4	2.43	.61
5010	5250	3	0.00	0.00
4930	5340	5	0.00	0.00
4950	5320	4	0.00	0.00
4950	5330	2	0.00	0.00
4950	5340	4	0.00	0.00
5010	5300	2	0.00	0.00
5010	5310	4	0.00	0.00
4920	5410	2	0.00	0.00
4930	5400	5	0.00	0.00
5010	5320	1	0.00	0.00
4920	5420	1	0.00	0.00
4930	5410	1	0.00	0.00
4940	5400	3	0.00	0.00
5010	5330	1	0.00	0.00
5000	5340	5	0.00	0.00
4920	5430	1	0.00	0.00
4950	5400	4	0.00	0.00
5010	5340	1	5.26	1.32
5050	5300	1	0.00	0.00
4920	5450	2	0.00	0.00
5050	5310	2	0.00	0.00
5050	5320	1	0.00	0.00
5050	5330	2	0.00	0.00
5000	5400	3	0.00	0.00
5050	5350	2	0.00	0.00
5010	5400	3	0.00	0.00
4920	5500	3	0.00	0.00
5020	5400	5	0.00	0.00
4930	5500	3	0.00	0.00
5030	5400	4	0.00	0.00
4930	5510	4	0.00	0.00
5040	5400	3	0.00	0.00
4930	5520	1	0.00	0.00
5120	5320	3	0.00	0.00
4930	5530	4	0.00	0.00
5050	5400	5	0.00	0.00
5120	5330	1	0.00	0.00
4930	5540	2	0.00	0.00
5050	5410	2	0.00	0.00
5120	5340	2	0.00	0.00
4930	5550	1	0.00	0.00
4940	5540	2	0.00	0.00
4950	5530	5	0.00	0.00
5120	5350	2	0.00	0.00
5050	5420	2	0.00	0.00
4940	5550	5	0.00	0.00
5050	5430	4	0.00	0.00
4950	5540	1	0.00	0.00
5050	5440	2	0.00	0.00
5000	5500	7	0.00	0.00
5050	5450	4	0.00	0.00
5100	5400	3	0.00	0.00
5010	5500	4	0.00	0.00

AVERAGE /km.

E.2

5000	5510	3	0.00	0.00
5110	5400	5	0.00	0.00
5000	5520	2	0.00	0.00
5020	5500	5	0.00	0.00
5120	5400	5	0.00	0.00
5000	5530	2	0.00	0.00
5030	5500	2	0.00	0.00
5120	5410	3	0.00	0.00
5130	5400	4	0.00	0.00
5040	5500	6	0.00	0.00
5140	5400	4	0.00	0.00
5120	5420	3	0.00	0.00
5050	5500	2	0.00	0.00
5120	5430	3	0.00	0.00
5150	5400	5	0.00	0.00
5120	5440	4	0.00	0.00
5120	5450	2	0.00	0.00
5200	5400	2	0.00	0.00
5210	5400	1	0.00	0.00
5120	5500	4	0.00	0.00
5120	5510	2	0.00	0.00
5120	5520	3	0.00	0.00
5120	5530	7	0.00	0.00
5130	5520	3	8.10	2.70
5130	5530	3	0.00	0.00
5130	5540	2	0.00	0.00
5130	5550	3	0.00	0.00
5150	5530	3	0.00	0.00
5140	5550	4	0.00	0.00
5150	5540	4	0.00	0.00
5150	5550	7	9.72	1.39
5130	5600	4	0.00	0.00
5130	5610	3	0.00	0.00
5120	5620	3	0.00	0.00
5140	5600	2	0.00	0.00
5200	5540	2	3.24	1.62
5210	5530	2	0.00	0.00
5120	5630	7	0.00	0.00
5130	5620	7	0.00	0.00
5110	5640	1	0.00	0.00
5150	5600	1	1.62	1.62
5200	5550	2	100.03	50.01
5110	5550	5	0.00	0.00
5130	5630	2	16.20	8.10
5140	5620	8	1.62	.20
5150	5610	1	24.30	24.30
5220	5540	2	1.62	.81
5120	5650	6	8.10	1.35
5130	5640	1	8.10	8.10
5140	5610	3	0.00	0.00
5120	5640	3	0.00	0.00
5210	5640	1	.40	.40
5120	5700	1	1.62	1.62

EIDERS
AIR
MAY
#3

AVERAGE
/km.

E.2

EIDERS AIRSUR. #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4550	5140	2	0.00	0.00
4550	5150	2	0.00	0.00
4600	5210	1	0.00	0.00
4600	5220	1	0.00	0.00
4700	5140	1	0.00	0.00
4700	5150	1	0.00	0.00
4700	5200	4	0.00	0.00
4700	5210	2	0.00	0.00
4700	5220	1	0.00	0.00
4710	5210	1	0.00	0.00
4710	5220	3	0.00	0.00
4710	5230	1	0.00	0.00
4720	5220	1	0.00	0.00
4720	5230	4	0.00	0.00
4710	5240	2	0.00	0.00
4720	5240	2	0.00	0.00
4730	5240	2	0.00	0.00
4910	5210	5	0.00	0.00
4910	5220	5	0.00	0.00
4920	5210	5	0.00	0.00
4910	5230	5	0.00	0.00
4930	5210	3	0.00	0.00
4920	5220	2	0.00	0.00
4910	5240	4	0.00	0.00
4940	5210	4	0.00	0.00
4930	5220	1	0.00	0.00
4910	5250	4	0.00	0.00
4950	5210	5	0.00	0.00
4940	5220	2	0.00	0.00
4950	5220	2	0.00	0.00
4910	5300	5	0.00	0.00
5000	5210	3	0.00	0.00
4910	5310	4	0.00	0.00
5010	5210	2	0.00	0.00
5000	5220	2	0.00	0.00
4910	5320	6	0.00	0.00
4930	5300	5	0.00	0.00
5010	5220	1	0.00	0.00
5000	5230	2	0.00	0.00
4930	5310	1	0.00	0.00
4940	5300	6	0.00	0.00
5010	5230	1	0.00	0.00
5000	5240	1	0.00	0.00
4930	5320	5	0.00	0.00
4950	5300	6	0.00	0.00
4940	5310	2	0.00	0.00
5010	5240	1	0.00	0.00
5000	5250	1	0.00	0.00
4930	5330	2	0.00	0.00
4950	5310	4	0.00	0.00
4920	5340	5	0.00	0.00
5010	5250	2	0.00	0.00
4940	5320	3	0.00	0.00
4930	5340	6	0.00	0.00
4950	5320	2	0.00	0.00
4940	5330	2	0.00	0.00
4950	5330	4	0.00	0.00
4950	5340	3	0.00	0.00
5000	5300	1	0.00	0.00

EIDERS AIR JUNE #2

5010	5300	2	0.00		0.00
5000	5310	2	0.00		0.00
5010	5310	2	0.00		0.00
5000	5320	1	0.00		0.00
4930	5400	3	0.00	AVERAGE	0.00
5010	5320	1	0.00		0.00
4920	5420	3	0.00		0.00
4930	5410	2	0.00	/km.	0.00
4940	5400	3	0.00		0.00
5000	5330	2	0.00		0.00
5010	5330	2	0.00		0.00
5000	5340	5	0.00		0.00
4920	5430	2	0.00		0.00
4930	5420	1	0.00		0.00
4950	5400	2	0.00		0.00
5050	5300	8	0.00		0.00
4920	5450	2	0.00		0.00
5050	5310	2	0.00		0.00
5050	5320	2	0.00		0.00
5050	5330	3	0.00		0.00
5050	5340	2	0.00		0.00
5000	5400	3	0.00		0.00
5050	5350	2	0.00		0.00
5100	5300	6	0.00		0.00
5010	5400	4	0.00		0.00
4920	5500	5	0.00		0.00
5110	5300	4	0.00		0.00
5020	5400	2	0.00		0.00
4930	5500	2	0.00		0.00
5120	5300	3	0.00		0.00
4930	5510	2	0.00		0.00
5030	5400	2	0.00		0.00
5120	5310	3	0.00		0.00
4930	5520	3	0.00		0.00
5040	5400	3	0.00		0.00
5120	5320	4	0.00		0.00
4930	5530	2	3.64		1.82
5050	5400	3	0.00		0.00
5120	5330	4	0.00		0.00
4930	5540	3	0.00		0.00
5050	5410	2	0.00		0.00
5120	5340	4	0.00		0.00
4940	5540	1	0.00		0.00
4950	5530	4	0.00		0.00
5050	5420	2	0.00		0.00
5120	5350	3	0.00		0.00
4930	5550	1	0.00		0.00
4940	5550	5	0.00		0.00
5050	5430	2	0.00		0.00
4950	5540	1	0.00		0.00
5050	5440	2	0.00		0.00
5000	5500	6	0.00		0.00
5050	5450	3	0.00		0.00
5100	5400	4	0.00		0.00
5010	5500	3	0.00		0.00
5000	5510	2	0.00		0.00
5110	5400	2	0.00		0.00
5000	5520	2	0.00		0.00
5020	5500	4	0.00		0.00
5120	5400	5	0.00		0.00
5030	5500	3	0.00		0.00
5120	5410	4	0.00		0.00
5130	5400	3	0.00		0.00
5040	5500	5	0.00		0.00
5120	5420	2	0.00		0.00

5140	5400	4	0.00	0.00
5120	5430	2	0.00	0.00
5150	5400	2	0.00	0.00
5120	5440	2	0.00	0.00
5120	5450	2	0.00	0.00
5200	5400	5	0.00	0.00
5210	5400	3	0.00	0.00
5120	5500	3	0.00	0.00
5220	5400	3	0.00	0.00
5120	5510	3	0.00	0.00
5120	5520	2	0.00	0.00
5130	5520	3	0.00	0.00
5120	5530	7	0.00	0.00
5130	5530	2	0.00	0.00
5130	5540	2	0.00	0.00
5140	5540	3	0.00	0.00
5150	5530	6	0.00	0.00
5130	5550	4	0.00	0.00
5140	5550	8	0.00	0.00
5150	5540	3	.40	.13
5150	5550	11	.40	.04
5130	5600	6	0.00	0.00
5130	5610	6	0.00	0.00
5140	5600	7	0.00	0.00
5120	5620	2	0.00	0.00
5200	5540	5	57.10	11.42
5210	5530	4	0.00	0.00
5120	5630	9	0.00	0.00
5140	5610	8	53.46	6.68
5150	5600	7	0.00	0.00
5130	5620	7	0.00	0.00
5210	5540	1	0.00	0.00
5120	5640	3	0.00	0.00
5130	5630	9	5.26	.58
5140	5620	8	0.00	0.00
5110	5650	4	0.00	0.00
5150	5610	2	0.00	0.00
5120	5650	16	27.94	1.75
5140	5630	3	0.00	0.00
5130	5640	6	6.88	1.15
5220	5540	5	4.86	.97
5200	5550	1	60.75	60.75
5110	5640	1	0.00	0.00
5120	5700	7	2.83	.40

EIDERS
AIR
JUNE
#3

AVERAGE
/km.

E.2

EIDERS
AIRSURVEY #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4640	5130	2	0.00	0.00
4640	5140	3	0.00	0.00
4650	5140	1	0.00	0.00
4650	5150	2	0.00	0.00
4700	5140	1	0.00	0.00
4700	5150	1	0.00	0.00
4620	5250	2	0.00	0.00
4600	5300	1	0.00	0.00
4650	5250	2	0.00	0.00
4700	5200	8	0.00	0.00
4700	5210	3	0.00	0.00
4630	5300	6	0.00	0.00
4710	5210	5	0.00	0.00
4700	5220	2	0.00	0.00
4630	5310	5	0.00	0.00
4640	5300	3	0.00	0.00
4710	5220	4	0.00	0.00
4640	5310	1	0.00	0.00
4650	5300	4	0.00	0.00
4720	5220	3	0.00	0.00
4630	5320	2	1.62	.81
4700	5250	6	0.00	0.00
4710	5240	3	0.00	0.00
4640	5320	3	0.00	0.00
4720	5230	9	0.00	0.00
4630	5330	3	0.00	0.00
4710	5250	4	0.00	0.00
4720	5240	4	0.00	0.00
4640	5330	3	0.00	0.00
4630	5340	1	0.00	0.00
4710	5230	1	0.00	0.00
4640	5340	7	0.00	0.00
4730	5240	6	0.00	0.00
4650	5330	1	0.00	0.00
4650	5340	5	.81	.16
4700	5330	1	0.00	0.00
4700	5340	1	0.00	0.00
4700	5350	1	0.00	0.00
4910	5220	3	0.00	0.00
4910	5230	3	0.00	0.00
4920	5220	4	0.00	0.00
4910	5240	2	0.00	0.00
4930	5220	3	0.00	0.00
4910	5250	1	0.00	0.00
4940	5220	3	0.00	0.00
4950	5220	3	0.00	0.00
4910	5300	3	0.00	0.00
4910	5310	1	0.00	0.00
5000	5220	5	0.00	0.00
4910	5320	4	0.00	0.00
4930	5300	5	0.00	0.00
5000	5230	2	0.00	0.00
4930	5310	2	0.00	0.00
4940	5300	6	0.00	0.00
5000	5240	2	0.00	0.00
4930	5320	2	0.00	0.00
4950	5300	5	0.00	0.00
4940	5310	3	0.00	0.00
5000	5250	2	0.00	0.00

EIDERS AIR JULY #2

4920	5340	3	0.00		0.00
4950	5310	5	0.00		0.00
4940	5320	6	0.00		0.00
4930	5340	4	0.00		0.00
4950	5320	3	0.00	AVERAGE	0.00
4940	5330	1	0.00		0.00
4940	5340	1	0.00	/km.	0.00
4950	5330	2	0.00		0.00
4950	5340	2	0.00		0.00
5000	5300	2	0.00		0.00
5000	5310	2	0.00		0.00
5000	5320	2	0.00		0.00
4930	5400	5	0.00		0.00
5000	5330	3	0.00		0.00
4920	5420	2	0.00		0.00
4930	5410	3	0.00		0.00
4940	5400	4	0.00		0.00
5000	5340	2	0.00		0.00
4920	5430	4	0.00		0.00
4930	5420	2	0.00		0.00
4950	5400	3	0.00		0.00
5050	5300	6	0.00		0.00
4920	5450	2	0.00		0.00
5050	5310	4	0.00		0.00
5050	5320	1	0.00		0.00
5050	5330	3	0.00		0.00
5050	5340	2	0.00		0.00
5000	5400	4	0.00		0.00
5050	5350	2	0.00		0.00
5100	5300	2	0.00		0.00
5010	5400	3	0.00		0.00
4920	5500	2	0.00		0.00
5110	5300	5	0.00		0.00
5020	5400	5	0.00		0.00
4930	5500	5	0.00		0.00
5120	5300	1	0.00		0.00
4930	5510	2	0.00		0.00
5030	5400	4	0.00		0.00
5120	5310	4	0.00		0.00
4930	5520	4	0.00		0.00
5040	5400	4	0.00		0.00
5120	5320	2	0.00		0.00
4930	5530	2	0.00		0.00
5050	5400	7	0.00		0.00
5120	5330	2	0.00		0.00
4930	5540	4	0.00		0.00
5050	5410	3	0.00		0.00
5120	5340	2	0.00		0.00
4940	5540	1	0.00		0.00
4950	5530	4	0.00		0.00
5050	5420	3	0.00		0.00
5120	5350	3	0.00		0.00
4940	5550	5	0.00		0.00
4950	5540	2	0.00		0.00
5050	5430	2	0.00		0.00
5050	5440	4	0.00		0.00
5000	5500	6	0.00		0.00
5050	5450	2	0.00		0.00
5100	5400	3	0.00		0.00
5010	5500	4	0.00		0.00
5000	5510	2	0.00		0.00
5110	5400	4	0.00		0.00
5000	5520	2	0.00		0.00
5020	5500	4	0.00		0.00
5120	5400	8	0.00		0.00

E.2

EIDERS AIR JULY #3

5000	5330	2	0.00		0.00
5030	5500	4	0.00		0.00
5120	5410	3	0.00		0.00
5130	5400	3	0.00		0.00
5040	5500	4	0.00	AVERAGE	0.00
5120	5420	4	0.00		0.00
5140	5400	5	0.00		0.00
5050	5500	2	0.00	/km.	0.00
5120	5430	3	0.00		0.00
5150	5400	2	0.00		0.00
5120	5440	3	0.00		0.00
5120	5450	3	0.00		0.00
5200	5400	4	0.00		0.00
5210	5400	4	0.00		0.00
5120	5500	2	0.00		0.00
5220	5400	3	0.00		0.00
5120	5510	2	0.00		0.00
5120	5520	4	0.00		0.00
5130	5520	4	0.00		0.00
5120	5530	7	0.00		0.00
5130	5530	3	0.00		0.00
5130	5540	4	0.00		0.00
5130	5550	6	0.00		0.00
5140	5540	2	0.00		0.00
5150	5530	5	0.00		0.00
5140	5550	6	0.00		0.00
5150	5540	2	0.00		0.00
5150	5550	8	3.24		.40 ✓
5130	5600	7	0.00		0.00
5120	5620	3	0.00		0.00
5130	5610	4	7.29		1.82 ✓
5140	5600	3	0.00		0.00
5200	5540	2	26.32		13.16 ✓
5210	5530	2	0.00		0.00
5120	5630	10	0.00		0.00
5140	5610	6	0.00		0.00
5150	5600	4	0.00		0.00
5130	5620	7	0.00		0.00
5210	5540	2	1.21		.61 ✓
5110	5650	6	0.00		0.00
5120	5640	5	0.00		0.00
5130	5630	4	0.00		0.00
5140	5620	6	0.00		0.00
5220	5540	3	0.00		0.00
5120	5650	11	0.00		0.00
5140	5630	1	0.00		0.00
5130	5640	4	0.00		0.00
5200	5550	2	.40		.20 ✓
5110	5640	1	0.00		0.00
5230	5540	1	0.00		0.00
5110	5700	1	0.00		0.00
5120	5700	2	0.00		0.00

EIDERS
AIR AUGUST #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5140	1	0.00	0.00
4600	5150	3	0.00	0.00
4640	5130	2	0.00	0.00
4640	5140	2	0.00	0.00
4650	5140	2	0.00	0.00
4600	5200	1	0.00	0.00
4650	5150	4	0.00	0.00
4600	5220	1	0.00	0.00
4600	5230	1	0.00	0.00
4600	5240	4	0.00	0.00
4700	5130	1	0.00	0.00
4600	5250	1	0.00	0.00
4700	5140	1	0.00	0.00
4700	5150	3	0.00	0.00
4610	5250	4	0.00	0.00
4620	5250	2	0.00	0.00
4600	5300	3	0.00	0.00
4650	5250	4	0.00	0.00
4610	5300	4	0.00	0.00
4700	5200	8	0.00	0.00
4700	5210	6	0.00	0.00
4620	5300	6	0.00	0.00
4630	5300	10	0.00	0.00
4710	5210	3	0.00	0.00
4700	5220	1	0.00	0.00
4710	5220	5	0.00	0.00
4640	5300	7	0.00	0.00
4630	5310	3	0.00	0.00
4720	5220	2	0.00	0.00
4650	5300	6	0.00	0.00
4630	5320	2	0.00	0.00
4700	5250	8	0.00	0.00
4720	5230	8	0.00	0.00
4710	5240	4	0.00	0.00
4930	5330	3	0.00	0.00
4710	5250	5	0.00	0.00
4720	5240	14	0.00	0.00
4630	5340	2	0.00	0.00
4730	5230	1	0.00	0.00
4640	5340	3	0.00	0.00
4730	5240	3	0.00	0.00
4650	5330	1	0.00	0.00
4650	5340	1	0.00	0.00
4700	5300	4	0.00	0.00
4700	5310	4	0.00	0.00
4700	5320	4	0.00	0.00
4700	5330	5	0.00	0.00
4910	5220	4	0.00	0.00
4910	5230	2	0.00	0.00
4920	5220	5	0.00	0.00
4910	5240	3	0.00	0.00
4930	5220	4	0.00	0.00
4910	5250	1	0.00	0.00
4940	5220	3	0.00	0.00
4950	5220	4	0.00	0.00
4910	5300	2	0.00	0.00
4910	5310	3	0.00	0.00
5000	5220	5	0.00	0.00
4910	5320	3	0.00	0.00

EIDERS AIR AUGUST #3

4950	5540	1	0.00	AVERAGE	0.00
5050	5440	1	0.00		0.00
5000	5500	5	0.00		0.00
5050	5450	4	0.00		0.00
5100	5400	4	0.00	/km.	0.00
5010	5500	3	0.00		0.00
5000	5510	3	0.00		0.00
5110	5400	2	0.00		0.00
5000	5520	2	0.00		0.00
5020	5500	4	0.00		0.00
5120	5400	8	0.00		0.00
5000	5530	2	0.00		0.00
5030	5500	2	0.00		0.00
5120	5410	2	0.00		0.00
5130	5400	4	0.00		0.00
5040	5500	4	0.00		0.00
5140	5400	4	0.00		0.00
5120	5420	3	0.00		0.00
5050	5500	2	0.00		0.00
5120	5430	2	0.00		0.00
5150	5400	4	0.00		0.00
5120	5440	4	0.00		0.00
5120	5450	1	0.00		0.00
5200	5400	3	0.00		0.00
5210	5400	3	0.00		0.00
5120	5500	3	0.00		0.00
5220	5400	4	0.00		0.00
5120	5510	2	0.00		0.00
5230	5400	1	0.00		0.00
5120	5520	3	0.00		0.00
5120	5530	6	0.00		0.00
5130	5520	2	0.00		0.00
5130	5530	4	0.00		0.00
5130	5540	2	0.00		0.00
5150	5530	4	0.00		0.00
5130	5550	4	0.00		0.00
5140	5540	1	0.00		0.00
5140	5550	8	0.00		0.00
5150	5540	2	0.00		0.00
5150	5550	8	0.00		0.00
5130	5600	6	0.00		0.00
5120	5620	3	0.00		0.00
5130	5610	3	0.00		0.00
5140	5600	2	0.00		0.00
5200	5540	2	0.00		0.00
5210	5530	2	0.00		0.00
5120	5630	7	0.00		0.00
5140	5610	6	0.00		0.00
5150	5600	2	0.00		0.00
5130	5620	8	0.00		0.00
5200	5550	1	0.00		0.00
5110	5650	7	0.00		0.00
5120	5640	8	0.00		0.00
5130	5630	4	0.00		0.00
5140	5620	4	0.00		0.00
5220	5540	4	0.00		0.00
5120	5650	8	0.00		0.00
5140	5630	2	0.00		0.00
5130	5640	3	0.00		0.00
5150	5610	1	0.00		0.00
5210	5540	1	0.00		0.00
5110	5700	2	0.00		0.00
5120	5700	2	0.00		0.00

4930	5300		5		0.00	0.00
5000	5230		3		0.00	0.00
4930	5310	EIDERS	1		0.00	AVERAGE 0.00
4940	5300		8		0.00	0.00
5000	5240	AIR	2		0.00	0.00
4930	5320		4		0.00	/Km. 0.00
4950	5300		5		0.00	0.00
4940	5310	AUGUST	2		0.00	0.00
5000	5250		3		0.00	0.00
4920	5340	#2	3		0.00	0.00
4940	5320		8		0.00	0.00
4950	5310		5		0.00	0.00
4930	5340		4		0.00	0.00
4950	5320		3		0.00	0.00
4940	5330		2		0.00	0.00
4940	5340		1		0.00	0.00
4950	5330		2		0.00	0.00
4950	5340		3		0.00	0.00
5000	5300		2		0.00	0.00
5000	5310		3		0.00	0.00
5000	5320		2		0.00	0.00
4930	5400		5		0.00	0.00
5000	5330		3		0.00	0.00
4910	5430		1		0.00	0.00
4930	5410		2		0.00	0.00
4940	5400		4		0.00	0.00
4920	5420		2		0.00	0.00
5000	5340		3		0.00	0.00
4920	5430		3		0.00	0.00
4930	5420		1		7.69	7.69
4950	5400		3		0.00	0.00
5050	5300		6		0.00	0.00
4920	5450		2		0.00	0.00
5050	5310		1		0.00	0.00
5050	5320		3		0.00	0.00
5050	5330		3		0.00	0.00
5050	5340		1		0.00	0.00
5000	5400		4		0.00	0.00
5050	5350		3		0.00	0.00
5100	5300		4		0.00	0.00
5010	5400		3		0.00	0.00
4920	5500		3		0.00	0.00
5110	5300		2		0.00	0.00
5020	5400		4		0.00	0.00
4930	5500		3		0.00	0.00
5120	5300		2		0.00	0.00
5030	5400		2		0.00	0.00
4930	5510		3		0.00	0.00
5120	5310		3		0.00	0.00
5040	5400		4		0.00	0.00
4930	5520		2		0.00	0.00
5120	5320		2		0.00	0.00
4930	5530		3		0.00	0.00
5050	5400		5		0.00	0.00
5120	5330		3		0.00	0.00
4930	5540		2		0.00	0.00
5050	5410		2		0.00	0.00
5120	5340		3		0.00	0.00
4940	5540		2		0.00	0.00
4950	5530		5		0.00	0.00
5050	5420		3		0.00	0.00
5120	5350		3		0.00	0.00
4930	5550		1		0.00	0.00
4940	5550		4		0.00	0.00
5050	5430		2		0.00	0.00

E.2

EIDERS
AIR SEPTEMBER #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5240	7	0.00	0.00
4700	5130	1	0.00	0.00
4700	5140	1	0.00	0.00
4600	5250	1	0.00	0.00
4610	5250	3	0.00	0.00
4700	5150	1	0.00	0.00
4620	5250	1	0.00	0.00
4600	5300	2	0.00	0.00
4650	5250	2	0.00	0.00
4610	5300	2	0.00	0.00
4700	5200	3	0.00	0.00
4700	5210	4	0.00	0.00
4620	5300	4	0.00	0.00
4710	5210	1	0.00	0.00
4630	5300	8	0.00	0.00
4700	5220	3	0.00	0.00
4710	5220	4	0.00	0.00
4630	5310	1	0.00	0.00
4640	5300	5	0.00	0.00
4720	5220	2	0.00	0.00
4640	5310	6	0.00	0.00
4710	5230	2	0.00	0.00
4650	5300	3	0.00	0.00
4700	5250	5	0.00	0.00
4720	5230	5	0.00	0.00
4640	5320	1	0.00	0.00
4710	5240	3	0.00	0.00
4710	5250	3	0.00	0.00
4650	5320	9	0.00	0.00
4720	5240	6	0.00	0.00
4730	5240	4	0.00	0.00
4650	5330	1	0.00	0.00
4700	5330	6	0.00	0.00
4910	5220	3	0.00	0.00
4910	5230	2	0.00	0.00
4920	5220	4	0.00	0.00
4910	5240	2	0.00	0.00
4930	5220	4	0.00	0.00
4910	5250	3	0.00	0.00
4940	5220	4	0.00	0.00
4950	5220	2	0.00	0.00
4910	5300	4	0.00	0.00
4910	5310	3	0.00	0.00
5000	5220	3	0.00	0.00
4910	5320	4	0.00	0.00
4930	5300	4	0.00	0.00
5000	5230	3	0.00	0.00
4910	5330	1	0.00	0.00
4940	5300	8	0.00	0.00
4930	5310	2	0.00	0.00
5000	5240	2	0.00	0.00
4930	5320	4	0.00	0.00
4950	5300	7	0.00	0.00
4940	5310	4	0.00	0.00
5000	5250	3	0.00	0.00
4920	5340	4	0.00	0.00
4950	5310	4	0.00	0.00
4940	5320	7	0.00	0.00
4930	5340	5	0.00	0.00

EIDERS AIR SEPT. #2

4950	5320	3	0.00	0.00
4940	5330	4	0.00	0.00
4940	5340	1	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	4	0.00	0.00
5000	5300	3	0.00	0.00
5000	5310	1	0.00	0.00
5000	5320	3	0.00	0.00
4930	5400	4	0.00	0.00
5000	5330	2	0.00	0.00
4920	5420	2	0.00	0.00
4930	5410	3	0.00	0.00
4940	5400	4	0.00	0.00
5000	5340	3	0.00	0.00
4920	5430	3	0.00	0.00
4930	5420	1	0.00	0.00
4950	5400	2	0.00	0.00
5050	5300	5	0.00	0.00
5050	5310	2	0.00	0.00
5050	5320	2	0.00	0.00
5050	5330	3	0.00	0.00
5050	5340	3	0.00	0.00
5000	5400	4	0.00	0.00
5050	5350	2	0.00	0.00
5100	5300	5	0.00	0.00
5010	5400	3	0.00	0.00
4920	5500	6	0.00	0.00
5110	5300	4	0.00	0.00
5020	5400	4	0.00	0.00
4930	5500	2	0.00	0.00
5120	5300	2	0.00	0.00
4930	5510	4	0.00	0.00
5030	5400	2	0.00	0.00
5120	5310	2	0.00	0.00
4930	5520	2	0.00	0.00
5040	5400	4	0.00	0.00
5120	5320	3	0.00	0.00
4930	5530	4	0.00	0.00
5050	5400	6	0.00	0.00
5120	5330	2	0.00	0.00
4930	5540	3	0.00	0.00
5050	5410	2	0.00	0.00
5120	5340	4	0.00	0.00
4940	5540	2	0.00	0.00
4950	5530	6	0.00	0.00
5050	5420	4	0.00	0.00
5120	5350	3	0.00	0.00
4940	5550	6	0.00	0.00
5050	5430	2	0.00	0.00
4950	5540	1	0.00	0.00
5050	5440	2	0.00	0.00
5000	5500	7	0.00	0.00
5050	5450	3	0.00	0.00
5100	5400	3	0.00	0.00
5010	5500	3	0.00	0.00
5000	5510	2	0.00	0.00
5110	5400	4	0.00	0.00
5000	5520	3	0.00	0.00
5020	5500	4	0.00	0.00
5120	5400	5	0.00	0.00
5000	5530	2	0.00	0.00
5030	5500	5	0.00	0.00
5120	5410	3	0.00	0.00
5130	5400	2	0.00	0.00
5040	5500	4	0.00	0.00

AVERAGE /km.

E.2

EIDERS AIR SEPT. #3

5120	5520	3	0.00	AVERAGE /km.	0.00
5140	5400	2	0.00		0.00
5050	5500	2	0.00		0.00
5120	5430	3	0.00		0.00
5150	5400	2	0.00		0.00
5120	5440	3	0.00		0.00
5120	5450	2	0.00		0.00
5200	5400	3	0.00		0.00
5210	5400	3	0.00		0.00
5120	5500	3	0.00		0.00
5220	5400	3	0.00		0.00
5120	5510	3	0.00		0.00
5120	5520	2	0.00		0.00
5130	5520	4	0.00		0.00
5120	5530	6	0.00		0.00
5130	5530	5	0.00		0.00
5130	5540	2	0.00		0.00
5130	5550	6	0.00		0.00
5150	5530	2	0.00		0.00
5140	5550	6	0.00		0.00
5150	5540	4	0.00		0.00
5150	5550	9	0.00		0.00
5130	5600	5	0.00		0.00
5120	5620	3	0.00		0.00
5130	5610	4	0.00		0.00
5140	5600	2	0.00		0.00
5200	5540	3	1.62		.54
5210	5530	2	0.00		0.00
5120	5530	5	0.00		0.00
5140	5610	6	0.00		0.00
5150	5600	2	0.00		0.00
5130	5620	6	0.00		0.00
5210	5540	2	0.00		0.00
5200	5550	1	0.00		0.00
5110	5650	6	0.00		0.00
5140	5620	5	0.00		0.00
5120	5640	8	0.00		0.00
5220	5540	4	0.00		0.00
5120	5550	5	0.00		0.00
5140	5630	2	0.00		0.00
5130	5640	4	0.00		0.00
5130	5630	3	0.00		0.00
5150	5510	1	0.00		0.00
5110	5700	1	0.00		0.00
5120	5700	3	0.00		0.00

EIDERS AIRCT #1

LAT	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5130	2	0.00	0.00
4600	5140	1	0.00	0.00
4640	5130	2	0.00	0.00
4640	5140	1	0.00	0.00
4650	5140	2	0.00	0.00
4600	5200	2	0.00	0.00
4650	5150	3	0.00	0.00
4600	5210	1	0.00	0.00
4600	5240	1	0.00	0.00
4700	5130	1	0.00	0.00
4700	5140	2	0.00	0.00
4600	5250	1	0.00	0.00
4700	5150	2	0.00	0.00
4610	5250	2	0.00	0.00
4620	5250	1	0.00	0.00
4600	5300	4	0.00	0.00
4650	5250	2	0.00	0.00
4610	5300	3	0.00	0.00
4700	5200	3	0.00	0.00
4620	5300	5	0.00	0.00
4700	5210	1	0.00	0.00
4710	5210	3	0.00	0.00
4630	5300	6	0.00	0.00
4700	5220	1	0.00	0.00
4710	5220	3	0.00	0.00
4630	5310	2	0.00	0.00
4640	5300	5	0.00	0.00
4600	5350	2	0.00	0.00
4610	5340	1	0.00	0.00
4640	5310	9	0.00	0.00
4650	5300	3	0.00	0.00
4720	5220	1	0.00	0.00
4610	5350	1	0.00	0.00
4700	5250	6	0.00	0.00
4720	5230	2	0.00	0.00
4710	5240	3	0.00	0.00
4620	5340	3	0.00	0.00
4640	5320	1	0.00	0.00
4630	5340	3	0.00	0.00
4730	5230	1	0.00	0.00
4650	5320	10	0.00	0.00
4720	5240	4	0.00	0.00
4710	5230	1	0.00	0.00
4730	5240	6	0.00	0.00
4640	5350	1	0.00	0.00
4650	5350	2	0.00	0.00
4700	5330	8	0.00	0.00
4640	5400	3	0.00	0.00
4700	5340	2	0.00	0.00
4650	5400	1	0.00	0.00
4640	5420	1	0.00	0.00
4650	5410	1	0.00	0.00
4630	5430	1	0.00	0.00
4620	5450	2	0.00	0.00
4640	5430	1	0.00	0.00
4600	5510	1	0.00	0.00
4610	5500	1	0.00	0.00
4600	5520	1	0.00	0.00
4610	5510	1	0.00	0.00
4620	5500	1	0.00	0.00
4700	5410	2	0.00	0.00
4710	5400	1	0.00	0.00
4910	5420	6	0.00	0.00
4910	5230	1	0.00	0.00
4920	5220	4	0.00	0.00
4910	5240	3	0.00	0.00
4930	5220	4	0.00	0.00
4910	5250	2	0.00	0.00
4940	5220	3	0.00	0.00
4950	5220	7	0.00	0.00
4910	5300	3	0.00	0.00
4910	5310	2	0.00	0.00
5000	5220	6	0.00	0.00
4910	5320	4	0.00	0.00
4930	5300	6	0.00	0.00
5000	5230	4	0.00	0.00
4930	5310	3	0.00	0.00
4940	5300	14	0.00	0.00
5000	5240	4	0.00	0.00
4930	5320	3	0.00	0.00
4950	5300	6	0.00	0.00
4940	5310	3	0.00	0.00
5000	5250	3	0.00	0.00
4920	5340	5	0.00	0.00
4950	5310	5	0.00	0.00
4940	5320	10	0.00	0.00
4930	5340	5	0.00	0.00
4950	5320	3	0.00	0.00
4940	5330	4	0.00	0.00
4940	5340	1	0.00	0.00
4950	5330	3	0.00	0.00
4950	5340	4	0.00	0.00
5000	5300	2	0.00	0.00
5000	5310	4	0.00	0.00
5000	5320	5	0.00	0.00
4930	5400	8	0.00	0.00
5000	5330	3	0.00	0.00
4920	5420	5	0.00	0.00
4930	5410	6	0.00	0.00
4940	5400	8	0.00	0.00
5000	5340	3	0.00	0.00
4920	5430	5	0.00	0.00
4930	5420	1	0.00	0.00
4950	5400	6	0.00	0.00
5050	5300	8	0.00	0.00
5050	5310	3	0.00	0.00
4920	5450	1	0.00	0.00
5050	5320	4	0.00	0.00
5050	5330	4	0.00	0.00
5050	5340	5	0.00	0.00
5000	5400	6	0.00	0.00
5050	5350	4	0.00	0.00
5100	5300	5	0.00	0.00
5010	5400	6	0.00	0.00
4920	5500	5	0.00	0.00
5110	5300	7	0.00	0.00
5020	5400	6	0.00	0.00
4930	5500	3	0.00	0.00
5120	5300	3	0.00	0.00
4930	5510	5	0.00	0.00
5030	5400	6	0.00	0.00
5120	5310	2	0.00	0.00
4930	5520	3	0.00	0.00
5040	5400	6	0.00	0.00

EIDERS AIR OCTOBER #2

AVERAGE /km

E.2

EIDERS AIR OCTOBER #3

5120	5320	4	0.00	0.00
4930	5330	3	0.00	0.00
5050	5400	9	0.00	0.00
5120	5330	4	0.00	0.00
4930	5540	3	0.00	0.00
5050	5410	4	0.00	0.00
5120	5340	3	0.00	0.00
4940	5540	2	0.00	0.00
4950	5530	5	0.00	0.00
5050	5420	4	0.00	0.00
5120	5350	3	0.00	0.00
4940	5550	9	0.00	0.00
4950	5540	2	0.00	0.00
5050	5430	5	0.00	0.00
5050	5440	2	0.00	0.00
5000	5500	8	0.00	0.00
5050	5450	4	0.00	0.00
5100	5400	7	0.00	0.00
5010	5500	5	0.00	0.00
5000	5510	5	0.00	0.00
5110	5400	6	0.00	0.00
5000	5520	4	0.00	0.00
5020	5500	7	0.00	0.00
5120	5400	8	0.00	0.00
5000	5530	1	0.00	0.00
5030	5500	6	0.00	0.00
5120	5410	4	0.00	0.00
5130	5400	6	0.00	0.00
5040	5500	7	0.00	0.00
5120	5420	3	0.00	0.00
5140	5400	5	0.00	0.00
5050	5500	4	0.00	0.00
5120	5430	4	0.00	0.00
5150	5400	6	0.00	0.00
5120	5440	2	0.00	0.00
5120	5450	4	0.00	0.00
5200	5400	4	0.00	0.00
5210	5400	6	0.00	0.00
5120	5500	4	0.00	0.00
5220	5400	6	0.00	0.00
5120	5510	4	0.00	0.00
5120	5520	3	0.00	0.00
5120	5530	8	0.00	0.00
5130	5520	6	0.00	0.00
5130	5530	4	0.00	0.00
5130	5540	5	0.00	0.00
5130	5550	6	0.00	0.00
5150	5530	4	0.00	0.00
5140	5540	1	0.00	0.00
5140	5550	11	0.00	0.00
5150	5540	7	0.00	0.00
5150	5550	13	0.00	0.00
5130	5600	8	.40	.05
5130	5610	4	0.00	0.00
5120	5620	4	0.00	0.00
5140	5600	4	0.00	0.00
5200	5540	3	4.05	1.35
5210	5530	3	1.21	.40
5120	5630	8	0.00	0.00
5140	5610	11	9.72	.88
5130	5620	8	0.00	0.00
5150	5600	4	.81	.20
5200	5550	1	0.00	0.00
5120	5640	9	0.00	0.00
5110	5650	7	0.00	0.00

AVERAGE /km

EIDERS AIR OCTOBER #4

5140	5520	3	0.00	0.00
5130	5530	8	0.00	0.00
5220	5540	7	0.00	0.00
5120	5550	14	0.00	0.00
5130	5540	7	31.18	4.45
5140	5530	3	0.00	0.00
5110	5540	1	0.00	0.00
5210	5540	2	.40	.20
5150	5510	1	0.00	0.00
5110	5700	1	0.00	0.00
5120	5700	6	0.00	0.00

AVERAGE /km

EIDERS AIRNOV. 1982 #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4600	5150	1	0.00	0.00
4640	5130	1	0.00	0.00
4640	5140	1	0.00	0.00
4650	5140	1	0.00	0.00
4600	5200	1	0.00	0.00
4650	5150	1	0.00	0.00
4600	5210	2	0.00	0.00
4600	5220	1	0.00	0.00
4600	5230	2	0.00	0.00
4600	5240	7	0.00	0.00
4700	5130	1	0.00	0.00
4700	5140	3	0.00	0.00
4600	5250	2	0.00	0.00
4700	5150	4	0.00	0.00
4610	5250	4	0.00	0.00
4620	5250	2	0.00	0.00
4600	5300	5	0.00	0.00
4650	5250	1	0.00	0.00
4610	5300	4	0.00	0.00
4700	5200	7	0.00	0.00
4620	5300	7	4.86	.69
4700	5210	2	0.00	0.00
4630	5300	8	0.00	0.00
4700	5220	1	0.00	0.00
4710	5220	3	0.00	0.00
4640	5300	6	53.46	8.91
4630	5310	3	0.00	0.00
4600	5350	2	0.00	0.00
4610	5340	2	0.00	0.00
4710	5230	1	0.00	0.00
4650	5300	4	12.15	3.04
4720	5220	1	0.00	0.00
4640	5310	8	22.68	2.83
4700	5250	3	0.00	0.00
4720	5230	4	0.00	0.00
4640	5320	2	0.00	0.00
4620	5340	2	0.00	0.00
4710	5240	1	4.86	4.86
4710	5250	2	0.00	0.00
4720	5240	4	0.00	0.00
4650	5320	4	0.00	0.00
4630	5340	1	0.00	0.00
4730	5240	3	0.00	0.00
4650	5330	3	0.00	0.00
4650	5340	1	0.00	0.00
4650	5350	1	0.00	0.00
4700	5330	4	0.00	0.00
4640	5400	1	0.00	0.00
4700	5340	2	0.00	0.00
4650	5400	1	0.00	0.00
4640	5420	1	0.00	0.00
4650	5410	2	0.00	0.00
4630	5430	1	0.00	0.00
4630	5440	1	0.00	0.00
4640	5430	3	0.00	0.00
4650	5420	1	0.00	0.00
4700	5410	1	0.00	0.00
4710	5400	3	0.00	0.00
4910	5220	2	0.00	0.00

EIDERS AIR NOV. #2

4910	5230	2	0.00	0.00
4920	5220	2	0.00	0.00
4910	5240	1	0.00	0.00
4930	5220	2	0.00	0.00
4910	5250	1	0.00	0.00
4940	5220	3	0.00	0.00
4950	5220	1	0.00	0.00
4910	5300	2	0.00	0.00
5000	5220	3	0.00	0.00
4910	5320	2	0.00	0.00
4930	5300	2	0.00	0.00
5000	5230	2	0.00	0.00
4930	5310	2	0.00	0.00
4940	5300	5	0.00	0.00
5000	5240	2	0.00	0.00
4930	5320	2	0.00	0.00
4950	5300	4	0.00	0.00
4940	5310	2	0.00	0.00
5000	5250	1	0.00	0.00
4920	5340	2	0.00	0.00
4950	5310	2	0.00	0.00
4940	5320	3	0.00	0.00
4930	5340	2	0.00	0.00
4950	5320	1	0.00	0.00
4940	5330	2	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	2	0.00	0.00
5000	5300	2	0.00	0.00
5000	5310	1	0.00	0.00
5000	5320	2	0.00	0.00
4930	5400	5	0.00	0.00
5000	5330	2	0.00	0.00
4920	5420	2	0.00	0.00
4930	5410	3	0.00	0.00
4940	5400	3	0.00	0.00
5000	5340	1	0.00	0.00
4920	5430	3	0.00	0.00
4930	5420	1	0.00	0.00
4950	5400	3	0.00	0.00
5050	5300	2	0.00	0.00
4920	5450	1	0.00	0.00
5050	5310	2	0.00	0.00
5050	5320	1	0.00	0.00
5050	5330	1	0.00	0.00
5050	5340	1	0.00	0.00
5000	5400	4	0.00	0.00
5050	5350	2	0.00	0.00
5100	5300	2	0.00	0.00
5010	5400	3	0.00	0.00
4920	5500	1	0.00	0.00
5110	5300	2	0.00	0.00
5020	5400	4	0.00	0.00
4930	5500	2	0.00	0.00
5120	5300	1	0.00	0.00
5030	5400	4	0.00	0.00
5120	5310	1	0.00	0.00
4930	5520	1	0.00	0.00
5040	5400	2	0.00	0.00
4930	5530	1	0.00	0.00
5050	5400	5	0.00	0.00
5120	5330	1	0.00	0.00
4930	5540	1	0.00	0.00
5050	5410	1	0.00	0.00
5120	5340	1	0.00	0.00
4940	5540	1	0.00	0.00

AVERAGE /km.

E.2

EIDERS AIR NOV. #3

5220	5540	2	0.00		0.00
5050	5420	1	0.00		0.00
5120	5350	1	0.00		0.00
4940	5550	2	0.00	AVERAGE	0.00
5050	5430	1	0.00		0.00
5050	5440	1	0.00		0.00
5000	5500	3	0.00		0.00
5050	5450	1	0.00	/km.	0.00
5100	5400	5	0.00		0.00
5010	5500	1	0.00		0.00
5000	5510	2	0.00		0.00
5110	5400	2	0.00		0.00
5000	5520	1	0.00		0.00
5020	5500	2	0.00		0.00
5120	5400	5	0.00		0.00
5000	5530	1	0.00		0.00
5030	5500	1	0.00		0.00
5120	5410	2	0.00		0.00
5130	5400	3	0.00		0.00
5040	5500	1	0.00		0.00
5120	5420	1	0.00		0.00
5140	5400	4	0.00		0.00
5050	5500	1	0.00		0.00
5120	5430	1	0.00		0.00
5150	5400	3	0.00		0.00
5120	5450	1	0.00		0.00
5200	5400	2	0.00		0.00
5210	5400	4	0.00		0.00
5120	5500	1	0.00		0.00
5220	5400	4	0.00		0.00
5120	5510	1	0.00		0.00
5130	5520	2	0.00		0.00
5120	5530	3	0.00		0.00
5130	5530	2	0.00		0.00
5130	5540	1	0.00		0.00
5130	5550	2	0.00		0.00
5140	5540	1	0.00		0.00
5150	5530	2	0.00		0.00
5140	5550	4	0.00		0.00
5150	5540	1	0.00		0.00
5150	5550	5	24.30		4.86
5130	5600	3	0.00		0.00
5130	5610	2	0.00		0.00
5140	5600	1	0.00		0.00
5200	5540	2	3.24		1.62
5210	5530	1	0.00		0.00
5110	5640	1	0.00		0.00
5120	5630	4	0.00		0.00
5150	5600	2	0.00		0.00
5140	5610	4	.40		.10
5210	5540	1	0.00		0.00
5120	5640	3	0.00		0.00
5130	5630	4	0.00		0.00
5140	5620	4	0.00		0.00
5130	5620	3	0.00		0.00
5220	5540	2	0.00		0.00
5120	5650	4	0.00		0.00
5140	5630	1	0.00		0.00
5130	5540	2	0.00		0.00
5110	5650	1	0.00		0.00
5130	5650	1	0.00		0.00
5120	5700	3	0.00		0.00

E.2

EIDERS
AIR DECEMBER #1

LAT /	LONG	EFFORT	NUMBER/KM	AVERAGE/KM
4640	5130	1	0.00	0.00
4650	5140	1	0.00	0.00
4600	5200	1	0.00	0.00
4650	5150	1	0.00	0.00
4600	5210	1	0.00	0.00
4600	5220	1	0.00	0.00
4600	5230	2	0.00	0.00
4600	5240	1	0.00	0.00
4700	5130	1	0.00	0.00
4700	5140	1	0.00	0.00
4600	5250	1	0.00	0.00
4700	5150	3	0.00	0.00
4620	5250	1	0.00	0.00
4600	5300	2	0.00	0.00
4610	5300	3	0.00	0.00
4700	5200	2	0.00	0.00
4620	5300	2	0.00	0.00
4630	5300	5	0.00	0.00
4710	5220	2	0.00	0.00
4640	5300	3	62.37	20.79
4630	5310	1	0.00	0.00
4710	5230	1	0.00	0.00
4650	5300	2	0.00	0.00
4640	5310	5	1.62	.32
4700	5250	3	.81	.27
4720	5230	2	0.00	0.00
4710	5250	1	0.00	0.00
4720	5240	1	0.00	0.00
4650	5320	5	12.96	2.59
4730	5240	2	0.00	0.00
4700	5330	3	2.43	.81
4910	5220	1	0.00	0.00
4910	5230	2	0.00	0.00
4920	5220	1	0.00	0.00
4930	5220	2	0.00	0.00
4910	5250	1	0.00	0.00
4940	5220	1	0.00	0.00
4950	5220	2	0.00	0.00
4910	5300	1	0.00	0.00
5000	5220	2	0.00	0.00
4910	5320	2	23.08	11.54
4930	5300	3	0.00	0.00
5000	5230	2	0.00	0.00
4930	5310	1	0.00	0.00
4940	5300	5	0.00	0.00
5000	5240	1	0.00	0.00
4930	5320	2	0.00	0.00
4950	5300	2	0.00	0.00
4940	5310	2	0.00	0.00
5000	5250	1	0.00	0.00
4920	5340	1	0.00	0.00
4950	5310	2	0.00	0.00
4940	5320	3	0.00	0.00
4930	5340	3	0.00	0.00
4950	5320	1	0.00	0.00
4940	5330	2	0.00	0.00
4950	5330	1	0.00	0.00
4950	5340	2	0.00	0.00
5000	5300	1	0.00	0.00

EIDERS AIR DEC. #2

5000	5310	1	0.00	0.00
5000	5320	2	0.00	0.00
4930	5400	3	0.00	0.00
5000	5330	2	0.00	0.00
4930	5410	1	3.24	3.24
4940	5400	1	123.11	123.11
5000	5340	1	0.00	0.00
4920	5430	2	0.00	0.00
4930	5420	1	0.00	0.00
4950	5400	1	0.00	0.00
5050	5300	3	0.00	0.00
4920	5450	1	0.00	0.00
5050	5310	1	0.00	0.00
5050	5320	1	0.00	0.00
5050	5330	1	0.00	0.00
5050	5340	1	0.00	0.00
5000	5400	2	0.00	0.00
5050	5350	1	0.00	0.00
5100	5300	1	0.00	0.00
5010	5400	2	4.05	2.02
4920	5500	1	0.00	0.00
5110	5300	2	0.00	0.00
5020	5400	1	0.00	0.00
4930	5500	2	0.00	0.00
5120	5300	1	0.00	0.00
4930	5510	1	0.00	0.00
5030	5400	2	0.00	0.00
5120	5310	1	0.00	0.00
4930	5520	1	0.00	0.00
5040	5400	2	0.00	0.00
5120	5320	1	0.00	0.00
4930	5530	2	0.00	0.00
5050	5400	1	0.00	0.00
5120	5330	1	0.00	0.00
5050	5410	1	0.00	0.00
5120	5340	1	0.00	0.00
4940	5540	1	0.00	0.00
4950	5530	2	0.00	0.00
4930	5550	1	0.00	0.00
5120	5350	1	0.00	0.00
5050	5420	1	0.00	0.00
4940	5550	2	0.00	0.00
5050	5430	1	0.00	0.00
5050	5440	1	0.00	0.00
5000	5500	3	0.00	0.00
5050	5450	1	0.00	0.00
5100	5400	2	0.00	0.00
5010	5500	2	0.00	0.00
5000	5510	1	0.00	0.00
5110	5400	1	0.00	0.00
5000	5520	1	0.00	0.00
5020	5500	1	0.00	0.00
5120	5400	2	0.00	0.00
5030	5500	2	0.00	0.00
5120	5410	1	0.00	0.00
5130	5400	2	0.00	0.00
5040	5500	1	0.00	0.00
5120	5420	1	0.00	0.00
5140	5400	1	0.00	0.00
5050	5500	1	0.00	0.00
5120	5430	1	0.00	0.00
5150	5400	1	0.00	0.00
5120	5450	2	0.00	0.00
5200	5400	1	0.00	0.00
5210	5400	2	0.00	0.00

AVERAGE /km.

E.2

5220	5400	1	0.00	0.00
5120	5510	1	0.00	0.00
5120	5520	1	0.00	0.00
5120	5530	2	0.00	0.00
5130	5520	1	0.00	0.00
5130	5530	1	1.21	1.21
5130	5540	1	0.00	0.00
5130	5550	1	101.24	101.24
5150	5530	3	0.00	0.00
5140	5550	4	0.00	0.00
5150	5540	2	0.00	0.00
5150	5550	4	0.00	0.00
5130	5600	3	0.00	0.00
5130	5610	3	0.00	0.00
5120	5620	2	1.21	.61
5140	5600	2	0.00	0.00
5200	5540	1	4.86	4.86
5210	5530	2	150.24	75.12
5120	5630	3	0.00	0.00
5140	5610	2	0.00	0.00
5150	5600	1	0.00	0.00
5130	5620	3	0.00	0.00
5210	5540	1	0.00	0.00
5120	5540	5	0.00	0.00
5130	5630	2	0.00	0.00
5140	5620	4	0.00	0.00
5150	5610	1	0.00	0.00
5110	5650	1	0.00	0.00
5120	5650	6	0.00	0.00
5130	5640	2	0.00	0.00
5140	5630	1	0.00	0.00
5220	5540	2	0.00	0.00
5120	5700	3	0.00	0.00

EIDERS
AIR
DECEMBER
#3

AVERAGE
/km.

E.2