

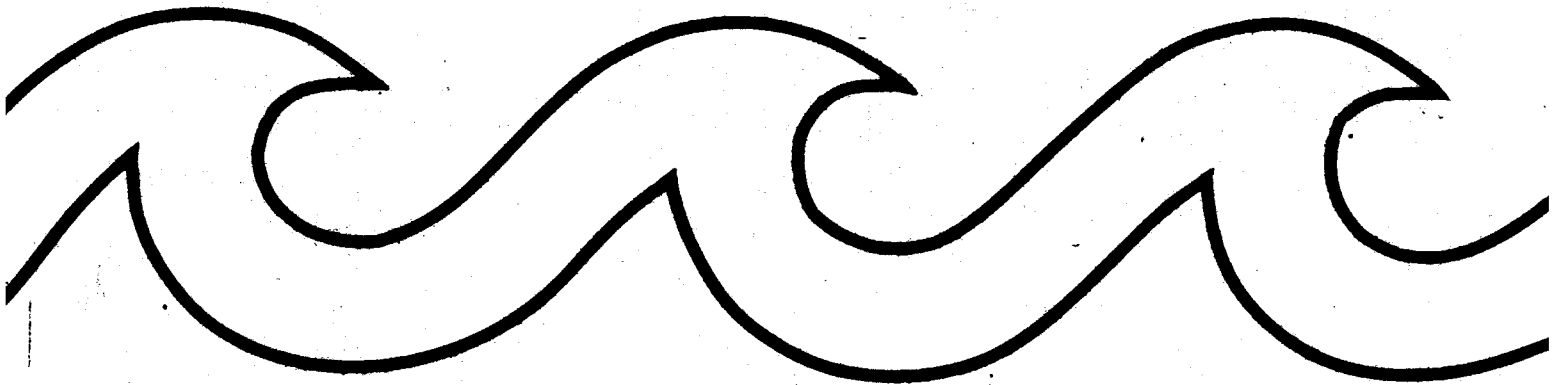
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Publication No. 1

**INDEX TO SIO SEISMIC DATA
IN THE PACIFIC OCEAN**

PAUL LIEBERTZ



SIO Ref. 70-10

University of California

Scripps Institution of Oceanography

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PLATES

	Chart #				Chart #		
Plate 1	2240	N		Plate 14	2000	N	
2	1640	N		15	1800	N	
3	1440	N		16	1600	N	
4	2420	N		17	1400	N	
5	2220	N		18	1200	N	
6	2020	N		19	1000	N	
7	1820	N		20	2200	S	
8	1620	N		21	2000	S	
9	1420	N		22	1800	S	
10	1220	N		23	1600	S	
11	2600	N		24	2220	S	
12	2400	N		25	2020	S	
13	2200	N		26	1820	S	

INDEX TO SIO SEISMIC DATA IN THE PACIFIC OCEAN

Introduction

The accompanying charts and tables are intended to provide a rapid indexing system for locating available seismic reflection profiling and seismic refraction data in the Pacific Basin. The charts, while not yet complete, provide an easy index to most of the data available. A continuing effort will be made to add old data to the system as well as keep up with current data.

The indexing system was set up by Daniel Karig, and carried out by Paul Liebertz, James Coatsworth, and Ross Barnes. Navigation has been smooth-plotted and digitized under the supervision of Stuart Smith and George Sharman. Data acquisition and navigational plotting has been supported by various contracts with the U.S. Navy and grants from the National Science Foundation. Funds for data indexing and publication were provided by Pan-American Petroleum Foundation, Chevron Oil Field Research Co., and the Sea Grant Program of the National Science Foundation.

A leg identification number follows the cruise I.D.#, or, taken as one reference number, 032-3; thus giving the ship and cruise, hyphen, the leg of the cruise. In this example the leg is the third (3) of that (Nova-Horizon) expedition. These numbers are used periodically on the mylar charts to identify the tracks. In addition, midnight (usually local time plus time zone) is also indicated at the beginning of each new day. Thus records for any one day or succession of days can be referenced for a particular track.

Microfilms

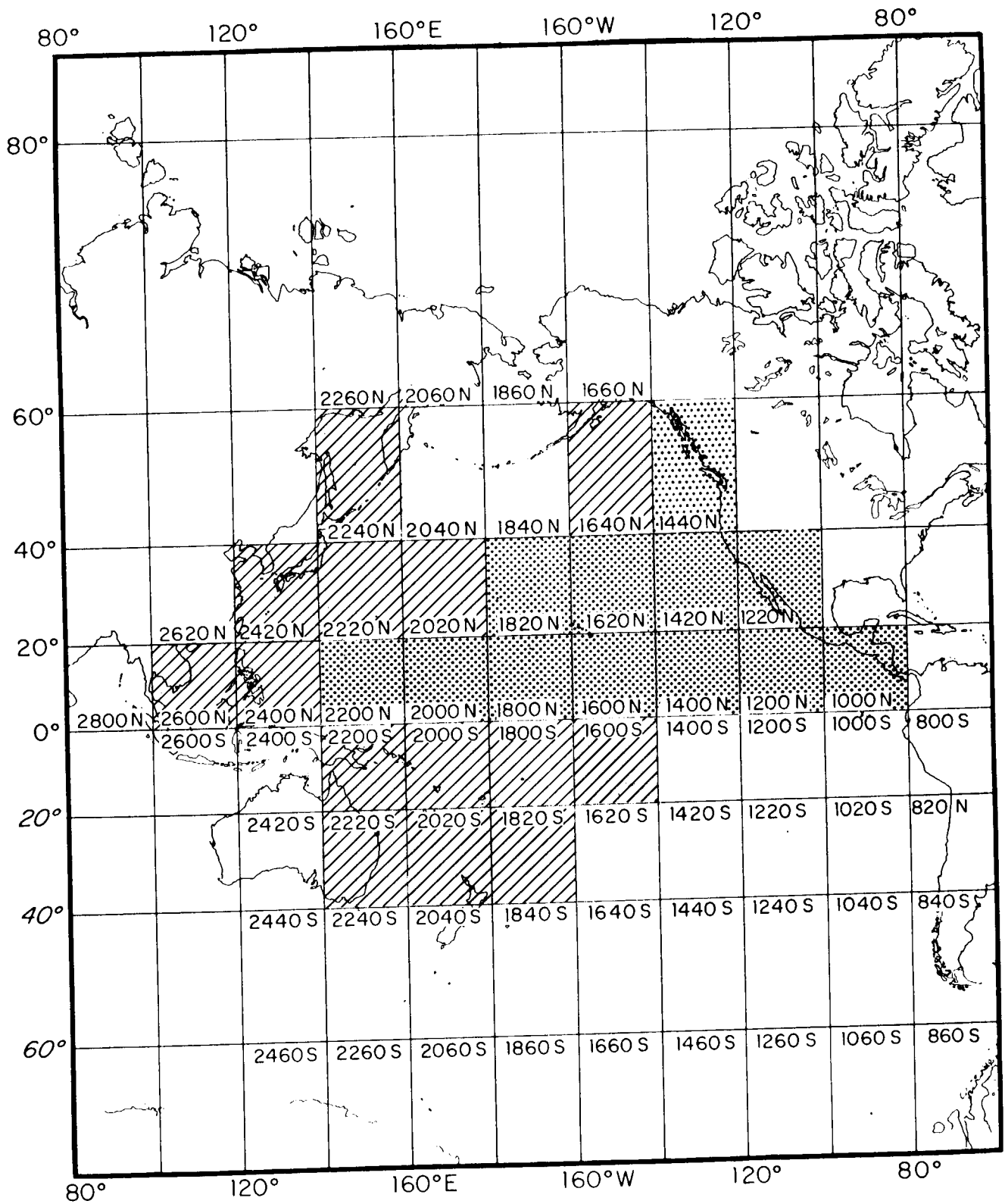
Original reflection records are microfilmed at sea or immediately upon their return to Scripps. The records are then stored in archive and the microfilm is used as the working copy. These are filed under their reference numbers, i.e., the cruise I.D. # and the leg #.

Search and Retrieval

To find reflection profiles in any given area, the first step is to refer to the chart index (Fig. 1). Choose the chart number which contains the area of interest. A glance will show whether or not there exists indexed profiles in the area of interest. Correspondingly, the existence of processed accompanying data may be ascertained (Table 1). This will be explained further under accompanying data. Once this is done, the tracks can be seen on the individual chart(s), the listing of which is in plates.

If the tracks are of interest, then fullscale copies of these charts, 1.2" per degree, can be obtained in order that one may pick out specific tracks or segments. The reference to any particular track has previously been explained. Requests for duplicate microfilm are then made using the reference format: cruise-leg; the inclusive dates, i.e., 032-3...0000 2 July 67-0000 19 Aug. 67. Requests should go to the SIO Sea Grant Information Center, Director's Office, Scripps Institution of Oceanography, Box 109, La Jolla, California, 92037.

REFLECTION CHART INDEX



COMPLETE (with respect to existing data)



INCOMPLETE (with respect to existing data)

- Figure 1 -

ACCOMPANYING DATA*

Navigation

With the exception of cruise 117 (Scan Expedition) which had satellite navigation, all cruise tracks were digitized from smooth plots based on celestial navigation. The navigation printout (Fig. 3) lists time, date, time zone and position of each point.

Copies of corresponding navigation will accompany requests for microfilm.

Refraction

At present not all available refraction data has been entered on the charts. A compilation of existing deep-sea refraction data is included as Table 2; locations will be entered on the charts in the future.

*also see S.I.O. reference series #70-1.

SAMPLE OF NAVIGATIONAL PRINTOUT

TIME	MONTH, DAY, YEAR	TIME ZONE	LATITUDE	LONGITUDE	COMMENTS
950	6/ 1/67	=11	22 33.8 S	166 23.1 E	START LEG II
14 7	6/ 1/67	-11	22 6.2 S	165 41.7 E	CC
2150	6/ 1/67	-11	21 21.0 S	164 28.8 E	CC
0 0	6/ 2/67	-11	21 7.8 S	164 9.2 E	
137	6/ 2/67	-11	20 58.0 S	163 54.4 E	CC
554	6/ 2/67	=11	20 39.1 S	163 7.3 E	*
755	6/ 2/67	-11	20 32.2 S	162 45.4 E	CS
812	6/ 2/67	-11	20 31.8 S	162 44.3 E	CS
1036	6/ 2/67	-11	20 27.5 S	162 30.2 E	CS
1052	6/ 2/67	-11	20 27.1 S	162 28.9 E	CS
12 9	6/ 2/67	=11	20 22.7 S	162 14.9 E	LAN
1810	6/ 2/67	-11	20 2.1 S	161 14.7 E	*
1922	6/ 2/67	=11	19 57.9 S	161 3.1 E	CC
0 0	6/ 3/67	-11	19 13.5 S	160 35.7 E	
6 3	6/ 3/67	-11	18 14.8 S	159 59.4 E	*
651	6/ 3/67	=11	18 7.0 S	159 54.8 E	CC
711	6/ 3/67	=11	18 4.0 S	159 52.7 E	CC
955	6/ 3/67	-11	17 45.2 S	159 27.3 E	CC
1221	6/ 3/67	-11	17 29.7 S	159 6.0 E	LAN
1821	6/ 3/67	-11	16 51.5 S	158 13.1 E	*
0 0	6/ 4/67	=11	16 15.0 S	157 21.6 E	
0 0	6/ 4/67	-10	16 8.6 S	157 12.7 E	TZ CHANGE
1 5	6/ 4/67	-10	16 1.9 S	157 3.1 E	STA 3G
150	6/ 4/67	-10	16 1.4 S	157 2.7 E	UW
2 1	6/ 4/67	=10	16 .9 S	157 1.9 E	CS
2 7	6/ 4/67	-10	16 .5 S	157 1.4 E	CC
248	6/ 4/67	=10	16 .5 S	156 57.8 E	CC
716	6/ 4/67	-10	16 1.1 S	156 28.3 E	CC
1134	6/ 4/67	-10	16 5.6 S	156 .5 E	LAN
1145	6/ 4/67	-10	16 5.7 S	155 59.4 E	CC
1445	6/ 4/67	=10	16 5.8 S	155 40.2 E	CS
1452	6/ 4/67	-10	16 5.8 S	155 39.6 E	CC
1531	6/ 4/67	=10	16 4.3 S	155 37.5 E	CC CS
2130	6/ 4/67	-10	16 2.7 S	155 1.0 E	CC
2250	6/ 4/67	-10	15 55.7 S	154 57.7 E	CS
0 0	6/ 5/67	-10	15 49.8 S	154 54.8 E	
1020	6/ 5/67	-10	14 59.6 S	154 30.0 E	CC
14 0	6/ 5/67	=10	14 53.7 S	154 8.9 E	CS
1447	6/ 5/67	-10	14 52.8 S	154 6.0 E	CS
0 0	6/ 6/67	-10	14 36.6 S	153 10.0 E	
528	6/ 6/67	=10	14 26.8 S	152 36.7 E	*
1151	6/ 6/67	-10	14 16.2 S	151 51.2 E	LAN
14 0	6/ 6/67	=10	14 13.8 S	151 38.4 E	CS
1422	6/ 6/67	-10	14 13.5 S	151 37.6 E	CS
18 0	6/ 6/67	-10	14 9.3 S	151 16.2 E	*
21 0	6/ 6/67	-10	14 4.7 S	150 58.9 E	CS
2110	6/ 6/67	-10	14 4.7 S	150 58.2 E	CS
0 0	6/ 7/67	-10	14 .6 S	150 42.4 E	
541	6/ 7/67	-10	13 52.3 S	150 10.6 E	*
9 0	6/ 7/67	-10	13 47.3 S	149 53.3 E	CS

- Figure 2 -

ALPHABETICAL LIST OF SIO CRUISES
LISTED MAY 6, 1970

SYMBOL KEY

+ DONE OR HERE
0 NOT DONE OR NOT HERE
/ PART DONE OR PART HERE
- NOT GOING TO BE DONE
(BLANK) STATUS UNKNOWN
E EDO RECORD
P PRECISION DEPTH RECORD (PDR, GDR)
* PACIFIC PART OF CRUISE ONLY

ID NO	CRUISE NAME	NAV DEPTH MAG		
		D P L O T	D I R E C	D I R E C
040	ACAPULCO TRENCH-BAIRD		E -	+ 0
119	AGASSIZ 69/06/1	0 0	0 0	0 0
097	AGE	+	E -	0 -
011	AMPHITRITE-ARGO	+ +	P +	+ +
112	APHRODITE - E.B. SCRIPPS	+ +	P 0	+ +
041	ARGO SHAKEDOWN	+ 0	P 0	+ 0
094	BAJA SLOPE-BAIRD	+ 0		0 -
085	BLUE FLASH-H M SMITH	+ 0	P 0	0 -
043	BONACCA-BAIRD	+ 0	P 0	0 -
037	CAPRICORN-BAIRD	+ 0	E -	0 -
044	CAPRICORN-HORIZON	+ /	E -	+ /
023	CARROUSEL-BAIRD	+ +	P +	+ 0
101	CASCADIA	+ 0	E -	0 -
102	CEFROS DEEP-BAIRD			0 -
020	CHINOOK-BAIRD	+ /	P /	0 -
045	CHINOOK-HORIZON	0	0	0 -
019	CHINOOK-STRANGER	+ /	P /	0 -
046	CHUBASCO-BAIRD		E -	0 -
047	CHUBASCO-HORIZON		E -	0 -
*048	CIRCE-ARGO	P /	P /	/ /
049	COSTA RICA DOME-BAIRD	+ 0	0	0 -
025	CRISSCROSS-BAIRD	+ +	P /	+ +
050	CUSP-BAIRD		E -	0 -
051	CUSP-HORIZON		E -	0 -
*029	DODO-ARGO	0	P 0	+ 0
052	DOLDRUMS-BAIRD	+	P 0	0 -
030	DOLDRUMS-HORIZON	+ +	P 0	+ +
053	DOLDRUMS-STRANGER	+	E -	0 -
002	DOLPHIN-HORIZON	+ +	P /	+ +
054	DORADO-HORIZON	+ 0	P 0	0 -
010	DOWNWIND-BAIRD	+ +	P +	0 -
009	DOWNWIND-HORIZON	+ /	P /	0 -
100	EASTROPAC	0 0	P 0	0 -
055	EASTROPIC-BAIRD	+ 0	E -	0 -
056	EASTROPIC-HORIZON	+ 0	E -	0 -
104	EQUAPAC		E -	0 -

086	FXJIRIA	0 0	P 0	0 -
035	FANFARF-BAIRD	+ 0	P 0	+ 0
099	FANFARE-SMITH			
087	FLIP-HORIZON	0 0	P 0	0 -
089	FLORA II		P 0	0 -
082	GAM-E.B.SCRIPPS	+ +	P 0	+ +
083	GAM II-E.B.SCRIPPS	+ +	P 0	+ +
115	GAMBUL-E.B.SCRIPPS	+ +	P 0	+ +
118	GAMETE-AGASSIZ	+ +	P 0	+ +
124	G.CHALLENGER	0 /	0 0	0 /
057	GORDA-HORIZON	0	P 0	0 -
058	HAWAII-BAIRD		E -	0 -
088	HAYSTACK-BAIRD	+ 0	P 0	0 -
116	HERM-OCONO.	+ +	P +	+ +
005	HILO-SMITH	+ +	P /	+ +
013	HILO-STRANGER	+ +	P /	+ +
103	HUDELL		E -	0 -
004	JAPANYON-BAIRD	+ +	P +	+ +
039	JASPER SEAMOUNT		E -	+ 0
059	KAYAK-OCONOSTOTA		P 0	0 -
122	KNOCK-KNOCK-ARGO	+ 0	P 0	
018	LEAPFROG-SMITH	+ /	P /	0 -
060	LEAPFROG-STRANGER		P 0	0 -
014	LIMBO-HORIZON	+ /	P /	0 -
*012	LUSIAD-ARGO	P /	P /	+ /
*001	LUSIAD-HORIZON	+ /	P /	+ 0
038	MENDOCINO-60	0	P 0	+ 0
061	MIDPAC-HORIZON	+ 0	F -	0 -
062	MOHOLE PROJECT-BAIRD			0 -
063	MOHOLE PROJECT-HORIZON			0 -
064	MOHOLE PROJECT-ORCA			0 -
*006	MONSOON-ARGO	+ +	P +	+ +
008	MUKLUK-BAIRD	+ /	P /	0 -
065	MUKLUK-HORIZON	+ 0	P 0	0 -
003	NAGA-STRANGER	+ /	P /	0 -
066	NORPAC-BAIRD		E -	0 -
067	NORPAC-HORIZON		E -	0 -
068	NORPAC-STRANGER		E -	0 -
069	NORTHERN HOLIDAY-HORIZON		E -	0 -
033	NOVA-ARGO	+ +	P +	+ +
032	NOVA-HORIZON	+ +	P +	+ +
021	PAPAGAYO-BAIRD	+ +	P /	+ +
093	PELAGIC AREA SURVEY-BAIRD	+	E -	0 -
015	PIONFER-60	+ +	0 -	+ +
121	PIQUERO-T.WASH.	/ 0	/ 0	/ 0
*016	PROA-BAIRD	+ /	P /	+ +
090	QUARTET-HORIZON		P 0	0 -
120	QUEBRADA-T.WASH.	0	0	0
017	RISEPAC-BAIRD	+ +	P +	+ +
113	SATPAC-DAVIS	+ +	P +	+ +
117	SCAN-ARGO	0 /	P /	/ /
070	SCOT-BAIRD	+ 0	E -	0 -
123	SEVEN TOW-T.WASH.	/ /	/ /	/ /
071	SHELLBACK-HORIZON		E -	0 -
072	SHOW (ZETES LFG VI)-ARGO	+ +	P 0	+ 0
073	SHOW (ZETES LEG VI)-HORIZON	+ 0	P 0	0 -
105	SHUTTLE		E -	0 -
031	SIXPAC-HORIZON	+ +	P +	+ +
095	SOUTHERN BORDERLANDS I	+ 0	P 0	0 -
042	SOUTHERN BORDERLANDS II	+ 0	P 0	+ 0
096	SOUTHERN BORDERLANDS III	+ 0	P 0	0 -
097	SOUTHERN BORDERLANDS IV	+ 0	P 0	0 -

-Table 1-

098 SOUTHERN BORDERLANDS V	+ 0	P 0	0 -
091 SPECTACLE HILLS	+	E -	0 -
084 SPHERFS-HORIZON	0 0	P 0	0 -
026 STEP 1-HORIZON	/ /	P /	0 -
111 STYX - AGASSIZ	+ +	P +	+ +
022 SWANSONG-ARGO	+ +	P /	+ +
007 TETHYS-BAIRD	+ /	P /	0 -
110 TODOS SANTOS-SMITH			+ 0
109 TORO-BAIRD		E -	0 -
114 TOW I-•WASH	+ 0	0 -	+ 0
074 TRANSPAC-BAIRD	+ 0	E -	0 -
028 TRIPOD-ARGO	+ +	P 0	+ +
*036 T. WASHINGTON-65-1	+ +	P 0	+ +
075 VERMILION SEA-BAIRD			0 -
076 VERMILION SEA-HORIZON			0 -
108 VAQUIER MAG			+ 0
107 VIZCAINO BAY-HORIZON		E -	0 -
024 WAHINE-BAIRD	+ 0	P 0	0 -
077 WIGWAM-BAIRD	0	E -	0 -
078 WIGWAM-HORIZON	0	E -	0 -
079 WIGWAM-PAOLINA-T	0	E -	0 -
080 WIGWAM-T-441	0	E -	0 -
106 YOYO-BAIRD		E -	0 -
027 ZAPOTEC-BAIRD	+ /	P /	0 -
*081 ZEPHYRUS-HORIZON	+ 0	P 0	0 -
034 ZETES-ARGO	+ +	P +	+ +

STATION	LATITUDE	LONGITUDE	AZIMUTH	VELOCITIES (KM/SEC)						THICKNESSES (KM)						DEPTH TO MOHO
				WATER	SEDIMENT	TRANSITION	OCEANIC/MANTLE	WATER	SEDIMENT	TRANSITION	OCEANIC					
MP 1	2724	-12135	56	1.498	2.15*	5.88	6.96	8.41	4.10	.26				.93	6.24	11.61
MP 2	1922	-12830	20	1.503	2.15*	5.97	6.88	8.05	4.83	.17				1.42	4.31	10.73
MP 3	1346	-13341	17	1.507	2.15*	5.99	6.70		4.91	.31				.70		
MP 4	938	-13619	29	1.506	2.15*	5.76	6.74		4.80	.45				.35		
MP 5	551	-14151	136	1.504	2.15*	6.32	6.79		4.81	.57				1.16		
MP 6	1043	-14553	117	1.506	2.15*	5.99	6.58	8.24	5.25	.20				.72	4.42	10.59
MP 7	1441	-15154	129	1.511	2.15*	6.04	6.73	8.15	5.80	.32				.81	4.14	11.07
MP 9	2026	-15454	148	1.507	2.15*	6.04	6.73	8.15	5.20	.24					4.70	12.41
MP 10	1907	-17719	61	1.504	2.15*	4.26	4.81	6.92	4.83	2.27	2.21				5.66	13.04
MP 11	1720	-17958	48	1.505	2.15*	4.86	7.02		4.93	.62						
MP 12	1534	-17740	43	1.500	2.15*	4.92	6.63		4.20	.40						
MP 13	1239	-17210	96	1.510	2.15*	6.24	6.83		5.55	.62						
MP 14	1227	-16822	72	1.505	2.15*	4.39	6.92	8.42	4.93	.57						
MP 15	1112	-16510	20	1.502	2.15*	5.16	6.56	8.28	4.46	1.07						
C 1	1120	-16135	75	1.502	2.15*	4.15	5.59	6.90	3.86	.95						
C 2	47	-16911	35	1.502	2.15*	4.98	7.10	8.16	4.41	.20						
C 3	-901	-17456	136	1.506	2.15*	5.73	6.72	8.14	5.17	.31						
C 12	-1616	-16831	90	1.506	2.15*	5.09†	6.68	8.77	5.14	.16						
C 13	-1728	-16059	137	1.504	2.15*	5.77	6.75	8.17	4.85	.35						
C 14	-1732	-15840	112	1.506	2.15*	5.09†	6.45	8.21	5.21	.07						
C 15	-1247	-14333	85	1.503	2.15*	4.48	6.81	8.43	4.62	.24						
C 16	-1120	-14225	25	1.502	2.15*	5.51	6.69	8.34	4.59	.24						
C 18	-1045	-13335	82	1.500	2.15*	5.04	6.91	8.14	4.19	.20						
C 19	-1146	-12857	132	1.499	2.15*	5.22	6.69	8.00	4.07	.22						
C 20	-1416	-11910	78	1.496	2.15*	5.09†	6.48	8.12	3.58	.27						
C 21	-1459	-11346	47	1.492	2.15*	4.93	6.91	7.63	2.92	.30						
C 22	-1447	-11212	48	1.494	2.15*	5.53	6.98	7.62	3.16	.34						
C 23	-720	-11840	117	1.500	2.15*	6.02	6.90	8.30	4.33	.34						
C 24	11	-12326	16	1.501	2.15*	4.92	6.84	8.21	4.46	.38						
C 25	547	-12359	138	1.499	2.15*	5.78	6.90	8.16	4.26	.53						
C 26	1458	-12412	56	1.500	2.15*	4.52	6.78	8.46	4.39	.03						
CU 1	3105	-13524	127	1.501	2.15*	5.16†	6.57	7.71	4.54	.34						
CU 2	4056	-12538	5	1.486	2.15*	4.20	6.57	7.71	3.17	.41						
CU 4	4300	-13427	90	1.481	2.15*	5.67	6.77	8.37	3.95	.34						
CU 5	4345	-13706	130	1.481	2.15*	5.43	6.91	8.02	4.11	.33						
CU 6	4358	-14038	90	1.495	2.15*	5.35†	6.83	8.66	4.39	.16						
CU 7	4534	-14311	42	1.497	2.15*	5.35†	6.83	8.18	4.65	.27						
CU 8	4349	-14307	157	1.496	2.15*	5.35†	6.86	8.13	4.33	.18						
CU 9	3715	-14307	15	1.505	2.15*	5.35†	6.86	8.07	5.37	.23						
CU 10	3505	-14231	138	1.505	2.15*	5.35†	6.69	8.08	5.31	.15						
CU 11	3427	-13415	90	1.504	2.15*	5.35†	6.77	8.56	5.18	.26						
CU 12	3429	-12602	100	1.500	2.15*	5.68	6.90	8.31	4.70	.35						
CH 8	948	-9312	77	1.496	2.15*	6.84	6.90	8.22	3.74	.11						
CH 9	1211	-9847	62	1.495	2.15*	6.33	6.96	8.43	3.60	.70						
CH 10	1138	-10348	76	1.492	2.15*	5.02	7.04	7.77	2.94	.15						
CH 11AB	1053	-10446	92	1.493	2.15*	4.97	6.71	8.24	3.14	.13						
CH 13	1213	-11103	144	1.498	2.15*	6.01	6.88	7.79	3.88	.32						
CH 14	2158	-11603	132	1.495	2.15*	5.38	6.78	8.24	3.83	.32						
CH 15	2430	-11638	85	1.496	2.15*	4.75	6.70	8.34	3.78	.19						
CK 1	3218	-15439	178	1.508	2.15*	5.88	7.02	8.03	5.58	.48						
CK 2	2845	-15331	94	1.507	2.15*	6.74	6.85	8.30	5.33	.28						
CK 3	2920	-15228	76	1.510	2.15*	5.11	6.49	8.60	5.93	.21						
CK 4	3709	-15702	6	1.508	2.15*	5.79	6.97	7.84	5.71	.09						
CK 5	4059	-16039	97	1.504	2.15*	5.04	6.91	7.27	5.45	.09						
CK 6	4418	-16347	175	1.505	2.15*	4.83	6.78	8.03	5.50	.21						

Table 2

CK 7	4756	-16948	100	1.501	2.15*	4.33	6.48	7.87	5.26	.66	4.35	6.50	12.22
CK9 AB	5245	-17623	180	1.488	1.85	4.33	6.84	7.60	3.58	1.71	4.35	3.60	13.54
CK 11	4653	-17449	168	1.504	2.15*		5.70	6.68	5.52	.29		1.02	12.88
CK 12	3942	-17259	0	1.508	2.15*		5.44	7.14	5.82	.10	1.44	6.05	11.22
CK 13	3420	-17303	1	1.508	2.15*		4.74	6.92	5.67	.03	1.50	2.59	9.79
CK 14	3208	-17204	161	1.502	2.15*		6.00	7.02	5.60	.30	1.13	4.72	11.75
CK1516	2642	-16905	156	1.509	2.15*	2.60	6.00	8.18	4.50	.24	1.07	4.65	11.26
CK1617	2604	-16850	150	1.496	2.69	2.69	4.66	6.65	3.31	.43		6.08	13.16
AK1 AB	3230	-12038	450	1.494	2.15*		5.46	6.52	3.72	.66		4.70	9.70
AR2 3	3422	-12209	154	1.494	2.15*		5.49	6.66	3.64	.69		4.62	10.09
AR 8	3259	-12556	0	1.498	2.15*		5.68	6.82	4.28	.37	.82	4.62	10.09
AR 9	3441	-12520	177	1.498	2.15*		5.68	6.84	4.45	.42	1.19	4.81	10.87
AR 10	3446	-12448	170	1.497	2.15*		5.68	6.82	4.32	.62	.79	4.66	10.39
AR 11	3250	-12704	52	1.497	2.15*		5.68	6.78	4.22	.37	.69	5.45	10.71
MK 1	3854	-13610	90	1.501	2.15*	4.23	5.94	6.67	4.93	.37	.94	5.14	11.01
MK 2	4018	-13616	92	1.499	2.15*		5.94	6.89	4.62	.19		1.67	11.22
MK 3	4500	-14429	90	1.499	2.15*		5.65	6.86	4.62	.27	.86	4.45	10.28
MK 4	4459	-14429	0	1.498	2.15*		5.13	6.74	4.71	.25		4.35	9.94
MK 5	4503	-14427	169	1.498	2.15*		5.23	6.66	4.70	.33	.56	4.40	10.36
MK 6	5130	-15428	95	1.497	2.15*		5.08	6.66	4.68	.77	1.60	5.02	11.99
MK 7	5314	-15706	70	1.496	2.15*		5.20	6.66	4.54	.53	1.98	5.16	14.67
MK 8	5322	-16141	72	1.515	1.87		5.00	6.74	6.88	.65	1.00	5.15	10.91
MK16AB	5044	-14822	66	1.496	2.15*		5.45	6.84	4.22	.16	1.16	5.18	10.82
MK17AB	5123	-14511	66	1.493	2.05		5.00	6.83	4.22	.26	1.35	4.93	10.62
MK18AB	5236	-14110	69	1.489	1.98		5.00	6.69	3.54	.62	.82	5.22	10.78
MK19AB	5308	-13845	66	1.488	1.66	2.40	4.71	6.81	2.88	.38	1.46	3.85	9.41
MK20AB	5358	-13555	66	1.484	2.15		5.75	7.05	2.88	1.22		5.31	9.41
DM 2	-123	-13131	175	1.502	2.15		5.91	6.91	4.50	.51		5.52	11.74
DM 4	-1502	-13606	44	1.502	2.15*		4.93	6.44	4.49	.39	.70	4.55	11.10
DM 5	-1828	-14126	113	1.499	2.15*		4.93	6.44	4.07	.41	.83	4.55	10.22
DM 8	-2142	-14738	84	1.505	2.15*	3.68	6.63	8.76	4.81	.41		7.45	13.09
DM 10	-2945	-14128	95	1.501	2.15*	(5.07)	(6.60)	(8.59)	(4.38)	(.18)	(1.32)	(5.25)	(11.13)
DM 21	-2330	-7259	176	1.496	2.15*	4.55	6.77	8.21	5.04		1.04	5.11	11.19
DM 22	-2133	-7910	88	1.503	2.15*	5.17	6.79	8.48	3.07	.24	1.15	6.44	10.90
DM 1	-4435	-11037	79	1.487	2.15*		6.15	6.59	3.79	.28	1.49	3.23	8.79
DM 14	-4346	-10426	84	1.493	2.15*		5.02	6.64	4.57	.22	.69	4.02	9.50
DM 15	-6244	-9605	74	1.498	2.15*		5.22	(6.61)	3.75	.26	1.80	8.23	14.04
DM 21	-2330	-7259	176	1.496	2.15*		5.22	6.47	4.52	.11	.81	5.03	10.47
DM 22	-2133	-7910	174	1.501	2.15*		5.24	6.90	4.47	.30	1.34	4.78	10.89
DM 23	-1335	-7910	136	1.501	2.15*		5.43	6.90	4.47	.42	1.16	3.41	9.17
DM 27	-1859	-8133	34	1.498	2.15*		4.70	6.67	3.88	.08	1.45	4.91	10.32
DM 28	-2704	-8849	88	1.497	2.15*		4.63	6.98	3.36	.16	1.82	4.78	10.12
DM 29	-2801	-9619	68	1.494	2.15*		5.78	6.78	3.08	.45		4.43	8.92
DM 30	-2756	-10656	142	1.493	2.15*		5.84	7.05	3.08	.43	.89	3.91	8.32
DM 32	-2316	-11750	52	1.494	2.15*		6.02	6.56	3.04	.54	.37	4.53	8.46
DM 33	-2018	-11345	6	1.494	2.15*		5.23	6.86	3.10	.14	.97	4.37	8.58
DM 34	-1444	-11205	174	1.494	2.15*		5.20	6.13	3.46	.32	.92	4.29	8.99
DM 35	-1328	-10830	24	1.496	2.15*		5.62	7.02	2.73	.37	.78	3.94	7.82
DM 36	-958	-11038	53	1.492	2.15*		4.75	7.07	4.35	.19	1.23	2.54	8.31
DM 37	-337	-11413	116	1.501	2.15*		4.88	6.91	3.82	.55	1.14	3.38	8.69
DM 38	127	-11605	41	1.498	2.15*		5.32	6.91	4.14	.37	.97	3.86	9.34
DM 39	404	-11541	176	1.499	2.15*		5.32	6.69	3.56	.28	.84	4.01	8.90
FF 1	2908	-11735	92	1.494	2.15*		5.32	6.80	3.57	.38	.81	5.13	9.89
FF 2	2833	-11720	172	1.493	2.15*		5.32	6.80	3.57	.38	.81	5.13	9.89
FF 3	2853	-11718	160	1.493	2.15*		5.32	6.80	3.57	.38	.81	5.13	9.89
FF 4	2900	-11729	157	1.493	2.15*		5.32	6.80	3.57	.38	.81	5.13	9.89
FF 5	3044	-11947	64	1.495	2.15*		4.70	6.90	4.07	.09	1.73	4.46	10.22
FF 6	3509	-12316	112	1.495	2.15*		4.70	6.90	4.07	.09	1.73	4.46	10.22
FF 7	3631	-12317	146	1.491	2.15*		4.70	6.80	4.07	.09	1.73	4.46	10.22
FF 8	3728	-12552	145	1.497	2.15*		4.70	6.80	4.07	.09	1.73	4.46	10.22
FF 9	3909	-12455	161	1.490	2.15*		4.70	7.04	4.07	.09	1.73	4.46	10.22

■ Table 2 cont. ■

FF 10	-12557	4101	1-688	2-15*	4-27	6-49 7-37	3-05	-25	1-74	-02	5-96
FF 11	-12830	4116	1-690	2-15*	5-62 6-60 7-66	3-16	-34	3-16	1-00	1-96	6-66
FF 12	-12819	4032	1-690	2-15*	4-42	3-22	-97	3-22	-80	1-96	6-55
FF 13	-12811	4004	1-699	2-15*	4-46	6-61 8-54	4-51	-55	1-85	3-93	10-84
FF 14	-12800	3835	1-500	2-15*	4-70†	6-81 8-37	4-68	-38			10-93
LF 1	-15726	4815	1-501	2-15*	5-15	6-73(8-61)	5-07	-41	-97	7-19	13-08
LF 6 7	-17566	5226	1-685	2-15*	5-39	6-84 8-99	3-12	-81	2-14	10-70	21-31
LF 7 8	-17531	5232	1-687	2-15*2-65	3-67 4-30	6-95 8-12	3-41	1-81	3-46	6-72	14-19
LF 8 9	-17604	5354	1-689	2-15*2-88	4-01	6-96 7-84	3-73	1-32	3-12	5-21	14-18
LF 9 10	-17630	5440	1-690	2-15*2-86	3-70	6-93 8-73	3-75	1-56	3-16	6-28	15-31
LF1011	-17720	5520	1-690	2-15*2-88	3-73	6-98 7-73	3-76	1-49	2-56	6-28	15-31
LF1213	-17642	5602	1-690	2-15*2-88	3-73	6-63 8-25	3-72	1-51	2-45	3-96	13-07
LF1314	-17538	5620	1-690	2-15*(3-17)	3-56	6-38 7-98	3-72	-78	2-77	6-58	15-08
LF2930	-14003	5820	1-687	2-34	5-60 7-04 8-68	7-38 7-98	3-65	1-69	2-67	6-56	15-68
LF3031	-13942	5802	1-687	2-23 3-17	6-82 7-18	7-04	3-08	1-02	3-62	2-92	15-41
LF3132	-13956	5745	1-689	2-15*2-90	7-04	6-81 8-60	3-08	1-02	3-62	-92	
LF3233	-14010	5729	1-690	2-15*2-59	6-81 8-60	6-75 8-22	3-26	-90	2-64		
LF3334	-13946	5709	1-689	2-15*2-68	4-66	7-03 7-90	3-35	1-05	1-81		
LF 38	-13453	5439	1-684	2-15*	3-90	6-14 7-00 8-45	2-62	1-59	4-68	5-60	11-81
LF 39	-13519	5438	1-684	2-15*	3-90	6-58 8-12	2-62	1-59	4-68	3-00	10-78
LF 40	-13538	5432	1-684	2-15*3-15	6-14 7-00 8-45	6-76 8-05	2-62	1-59	4-68	3-19	11-89
LF 41	-13604	5426	1-684	2-15*2-83	3-54	6-03 6-76 8-26	2-80	1-62	1-81	4-70	9-77
LF 42	-13354	5324	1-684	2-15*2-83	3-54	6-07 6-65 8-20	2-87	1-62	1-81	4-70	8-74
HL 3 4	-12144	2952	1-696	2-15*	4-80	6-74 8-45	3-97	-61	1-90	7-23	14-45
HL 5 6	-12725	2805	1-500	2-15*	4-80	6-04 6-66 8-56	4-54	-25	1-15	3-78	9-56
HL 7 8	-13434	2446	1-501	2-16*	4-24 4-93	6-70 8-12	4-61	-39	1-15	5-82	11-41
HL 8 9	-13730	2304	1-500	2-15*	3-88	5-96 7-02 7-77	4-61	-09	1-10	4-33	10-04
HL1112	-14803	2258	1-510	2-15*	4-20† 5-11	6-67 8-10	4-26	-28	1-20	5-52	11-59
HL1314	-15100	2300	1-508	2-15*	5-26	6-85 8-37	5-07	-28	1-72	5-52	9-80
HL1516	-15321	2250	1-505	2-11	4-20†	6-48 6-87 8-55	5-45	-23	1-30	2-82	11-50
HL1819	-15404	1950	1-504	3-00† 4-18	4-20†	(6-17) 6-84 8-68	4-61	-61	1-05	4-48	10-35
HL2021	-15632	1852	1-500	3-00† 4-18	4-20†	(6-60)(6-82) 8-50	4-61	1-20	-60	3-75	10-16
HL 22	-15742	2136	1-500	3-00†	4-85	6-89 8-13	4-71	-68	2-96	4-08	12-43
HL 23	-15638	2136	1-506	2-15*	4-24 4-93	6-72 8-28	4-48	-27	1-52	3-91	10-61
HL 24	-15631	2225	1-502	2-15*	4-24 4-93	6-72 8-28	5-23	-09	1-50	1-10	10-51
HL 25	-15632	2303	1-501	2-15*	3-88	5-96 7-02 7-77	4-61	-03	1-50	2-20	3-30
HL 26	-15608	2337	1-499	2-15*	4-20† 5-11	6-67 8-10	4-26	-03	1-50	2-20	3-30
HL2829	-15513	2213	1-502	2-15*	4-20† 5-27	6-85 7-99	4-52	-03	1-50	2-20	3-30
HL2930	-15554	2248	1-500	2-15*	4-20†	6-23 6-95 7-97	4-32	-85	1-20	3-15	9-72
HL3031	-15638	2309	1-500	2-15*	4-20†	6-06 6-83 8-71	4-32	-95	1-35	4-05	10-67
QF 27	-12028	3107	1-495	2-15*	5-00	6-69 7-87	4-00	-23	1-05	4-60	11-07
QF 30	-12054	3118	1-496	2-15*	5-19	6-78 8-12	4-00	-26	1-06	4-30	9-59
G 1 2	-12640	4628	1-491	2-09	4-93	6-78 7-76	3-98	-62	-98	5-42	10-64
G 5 6	-12600	4618	1-484	(2-30)	4-93	6-36 6-87 7-88	2-57	-62	1-50	1-85	7-00
G11 12	-12550	4418	1-493	1-83	5-00	5-89 6-86 7-94	2-94	2-34	1-90	4-00	10-81
G13 14	-13207	4451	1-485	2-10√	5-01	6-91 7-95	3-53	1-01	1-50	4-55	10-00
G14 15	-13057	4458	1-485	2-15*	4-99	6-93 7-98	3-00	-44	1-50	4-55	9-37
G15 16	-12943	4522	1-489	2-15*	5-01	6-70 (7-70)	3-00	-26	1-30	4-75	9-31
G16 17	-12846	4552	1-486	2-15*	4-99	6-70 (7-70)	2-65	-25	1-25	3-30	7-83
G17 18	-12737	4617	1-486	2-29√	5-54	6-04 6-99 7-72	2-76	-52	1-25	3-25	7-83
FLO 1	-12502	3531	1-498	2-15*	5-22	6-98 7-94	2-76	1-09	1-80	3-75	8-70
FLO 3	-12510	3529	1-498	2-15*	4-76	7-09 8-33	4-45	-13	2-83	4-14	11-55
FLO 7	-12555	3541	1-500	2-15*	4-74	7-00 7-98	4-50	-28	1-55	4-85	11-18
FLO 8	-12602	3533	1-500	2-15*	5-14	6-80 8-15	4-68	-68	1-05	5-07	10-88
FLO10	-12543	3538	1-500	2-15*	4-74	6-93 8-16	4-67	-16	1-03	4-09	9-95
					5-35	6-88 8-10	4-68	-17	1-23	4-83	10-31

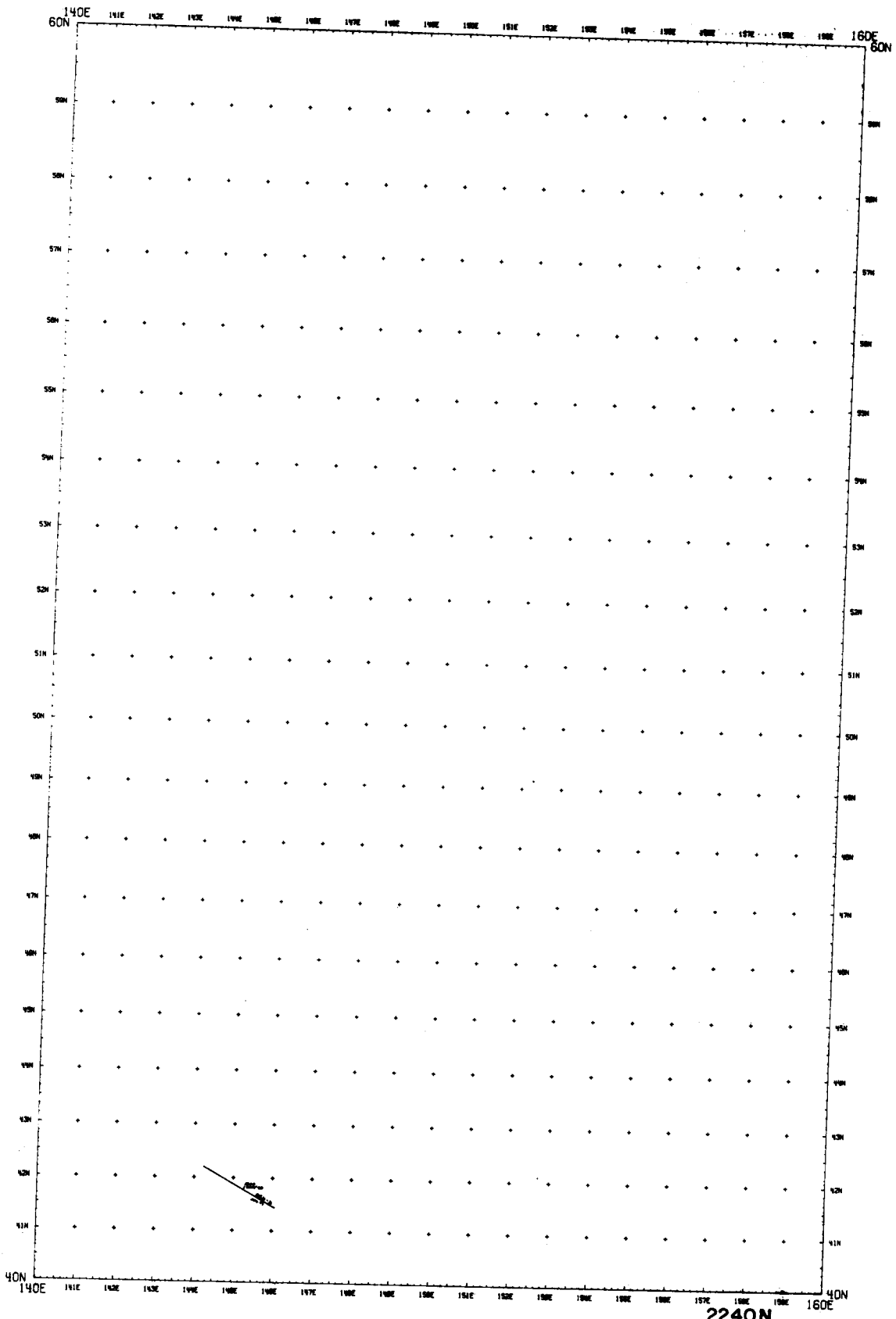
* Estimated Pacific - Wide Velocity

† Estimated Regional Velocity

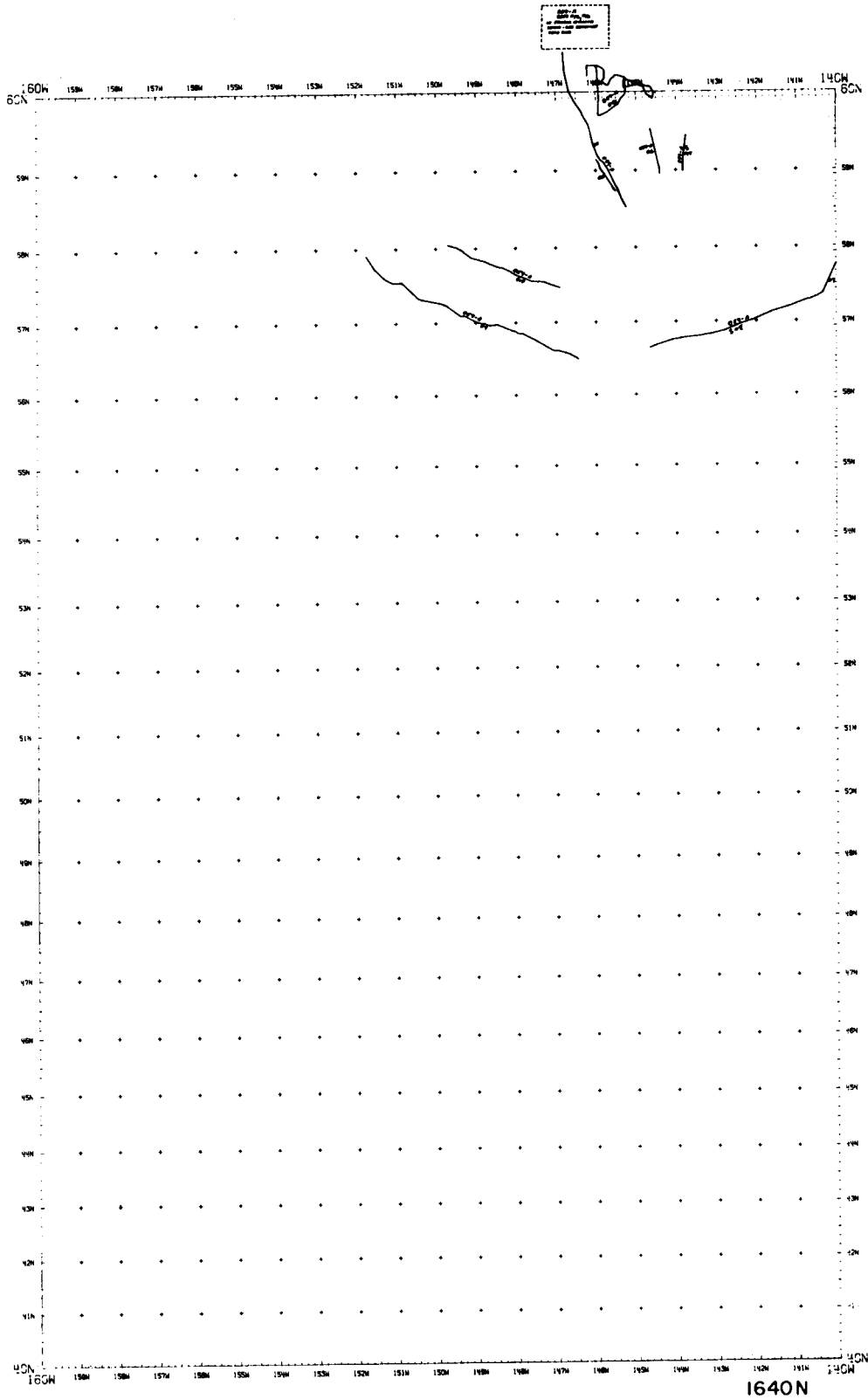
√ Reflection Velocity

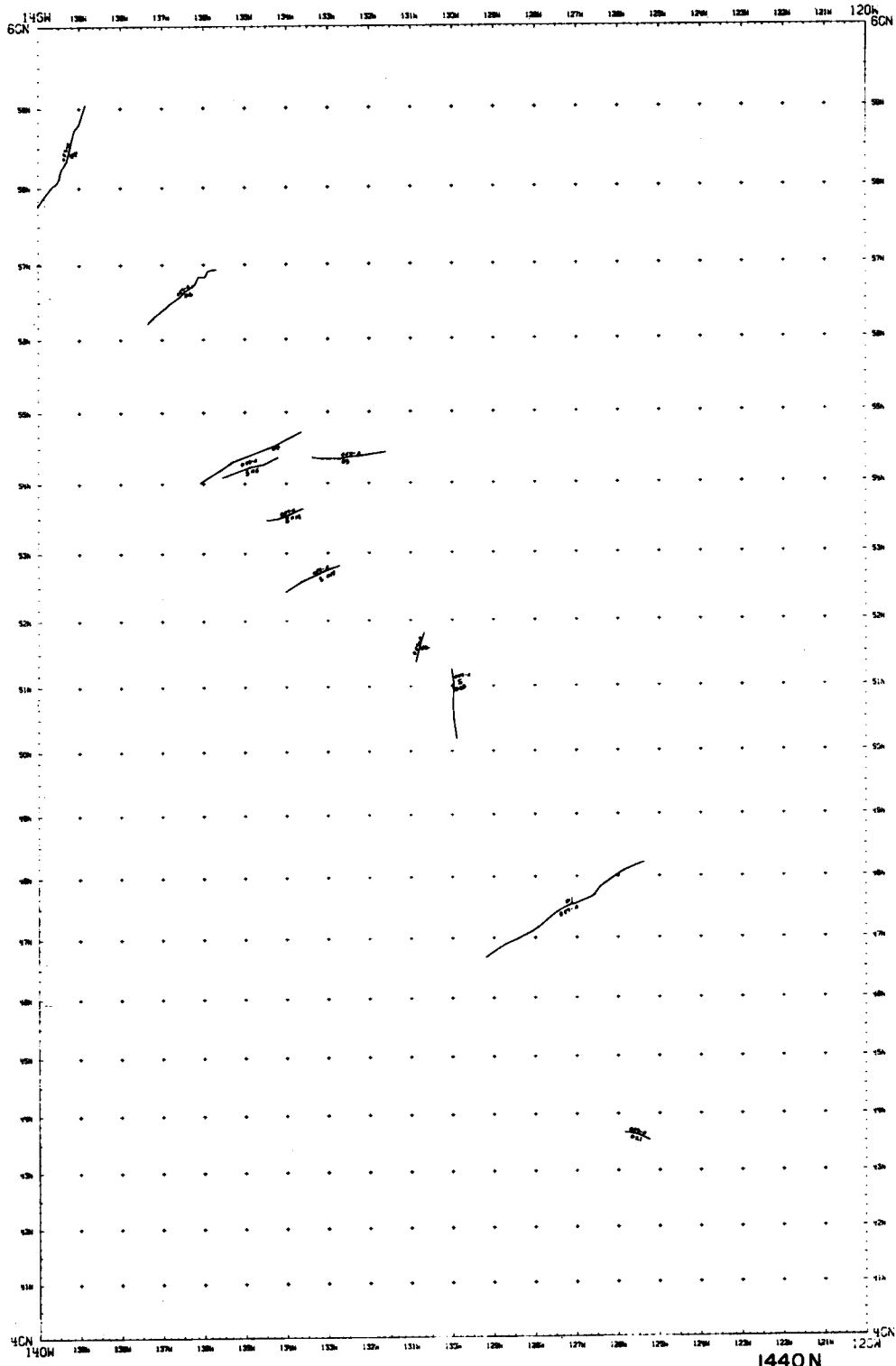
() Single Profile

In the values of latitude and longitude, the last two digits represent minutes, the first digits represent degrees. Plus values represent north latitude and east longitude.

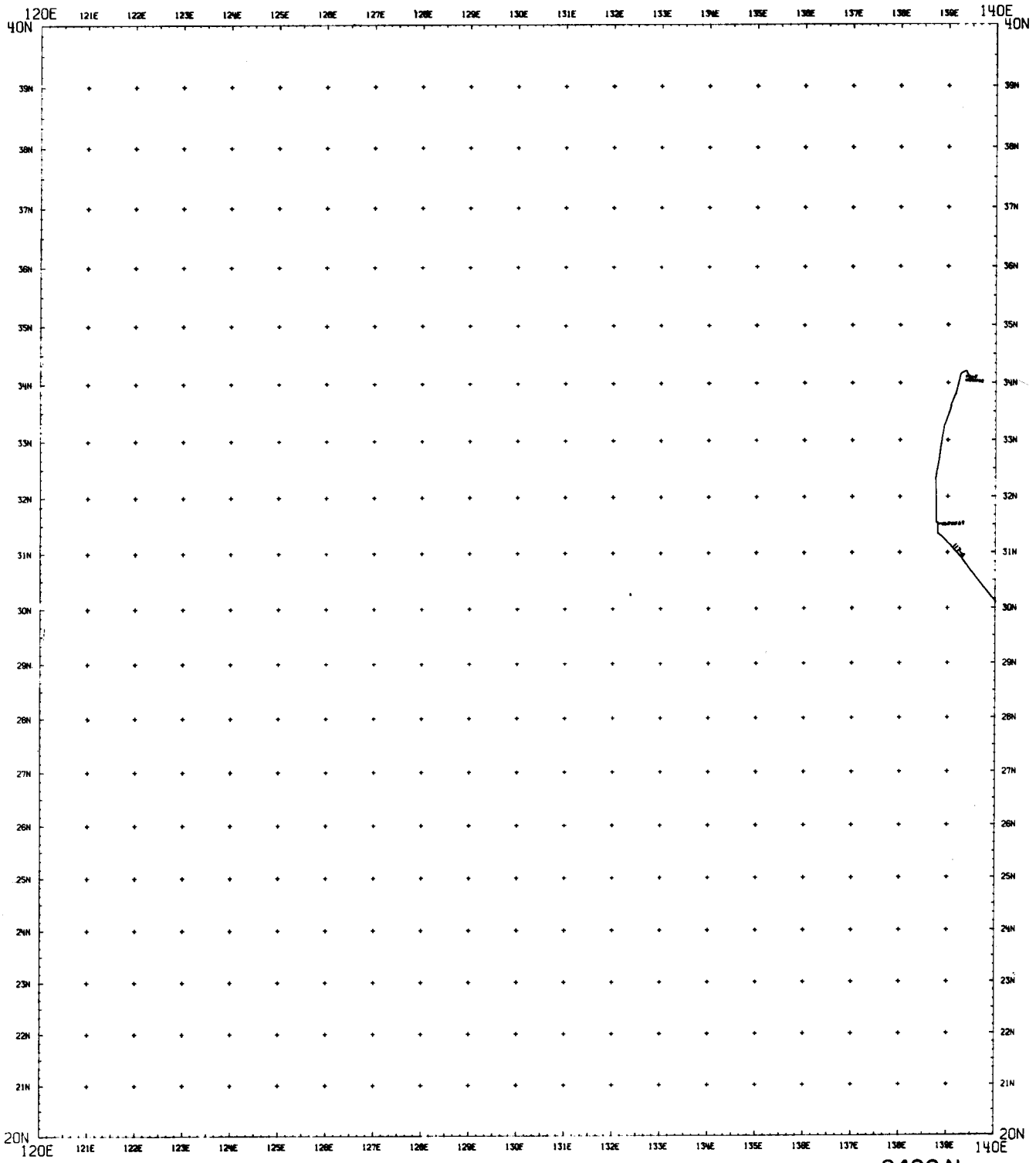


2240N

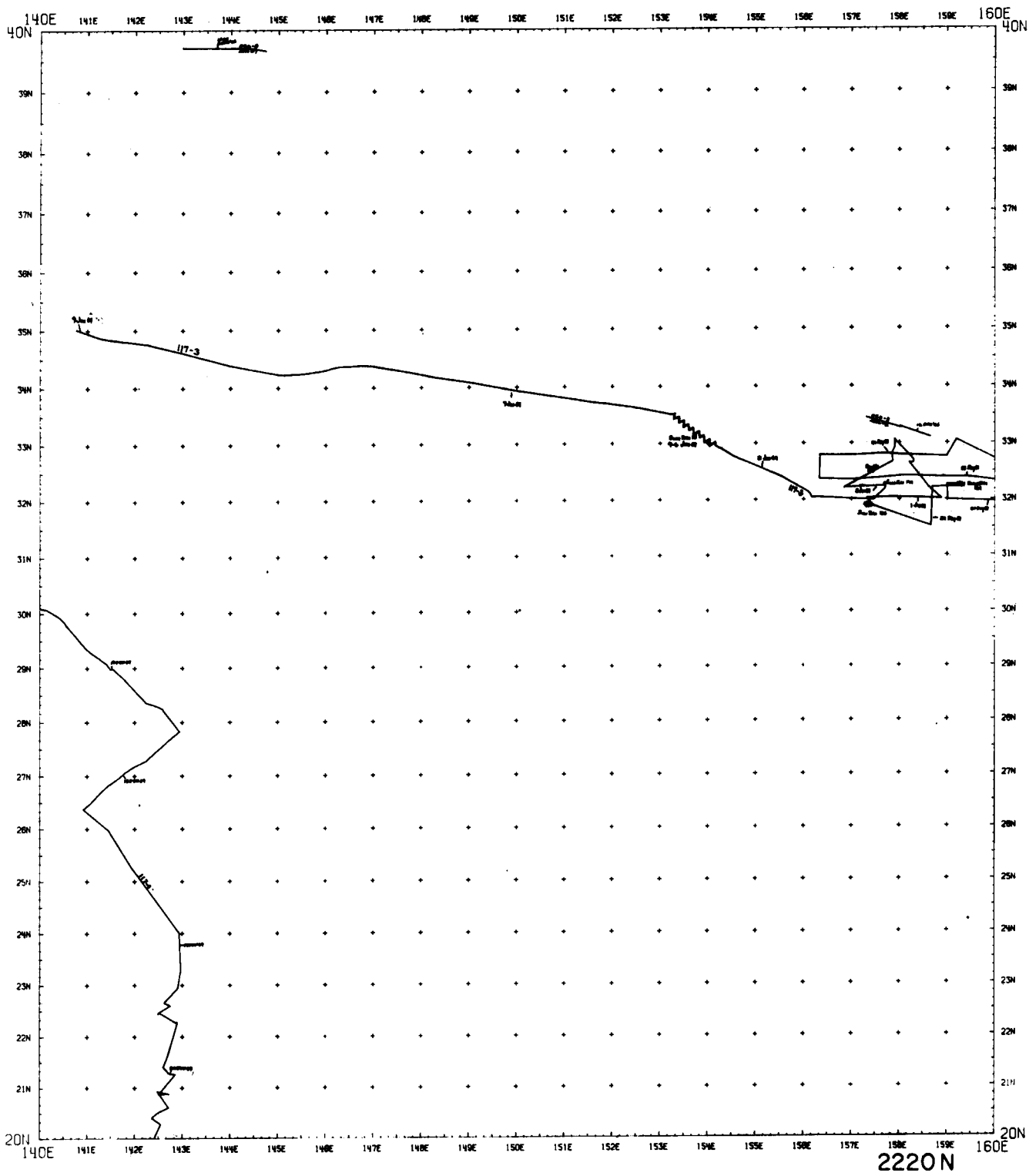


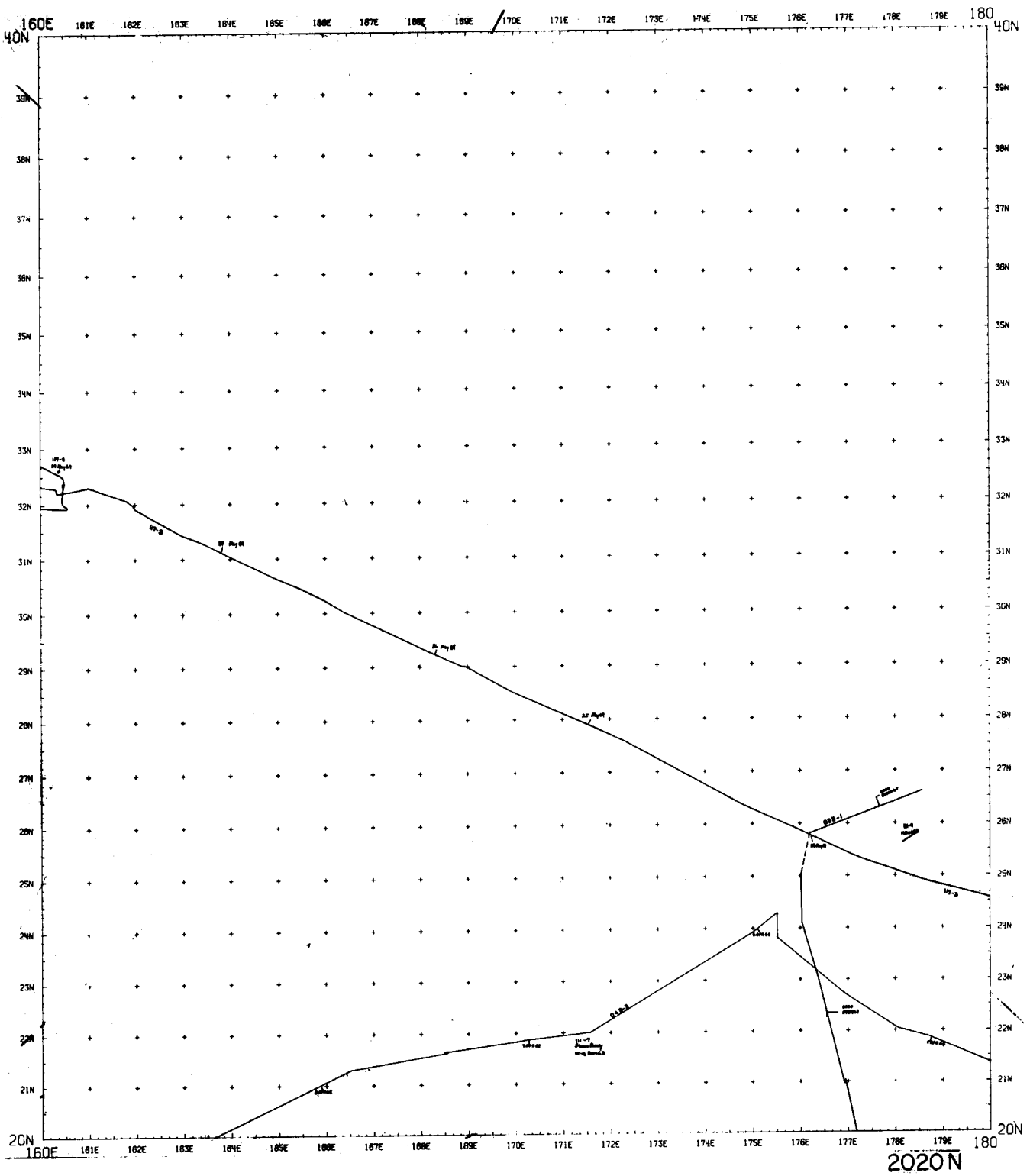


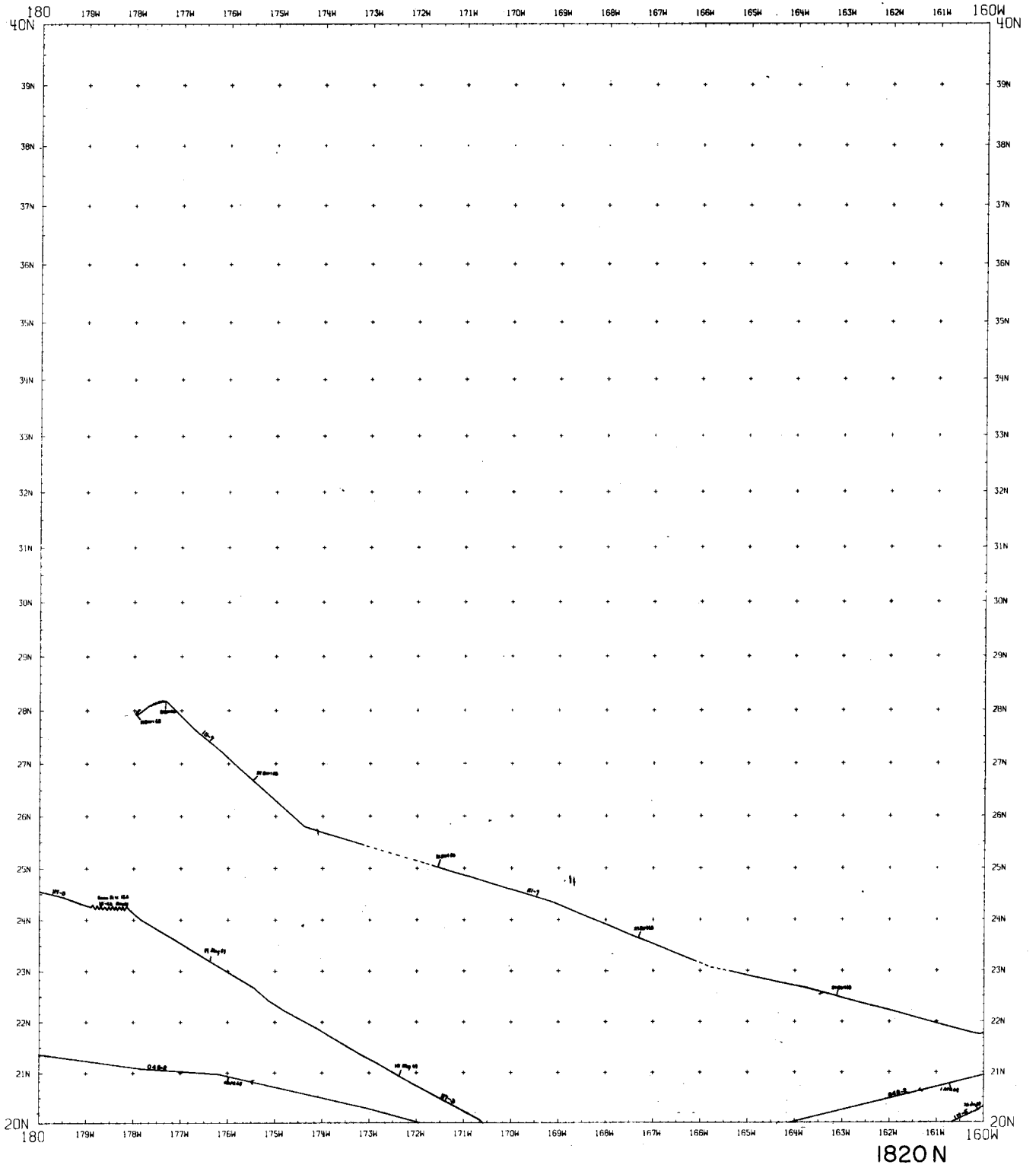
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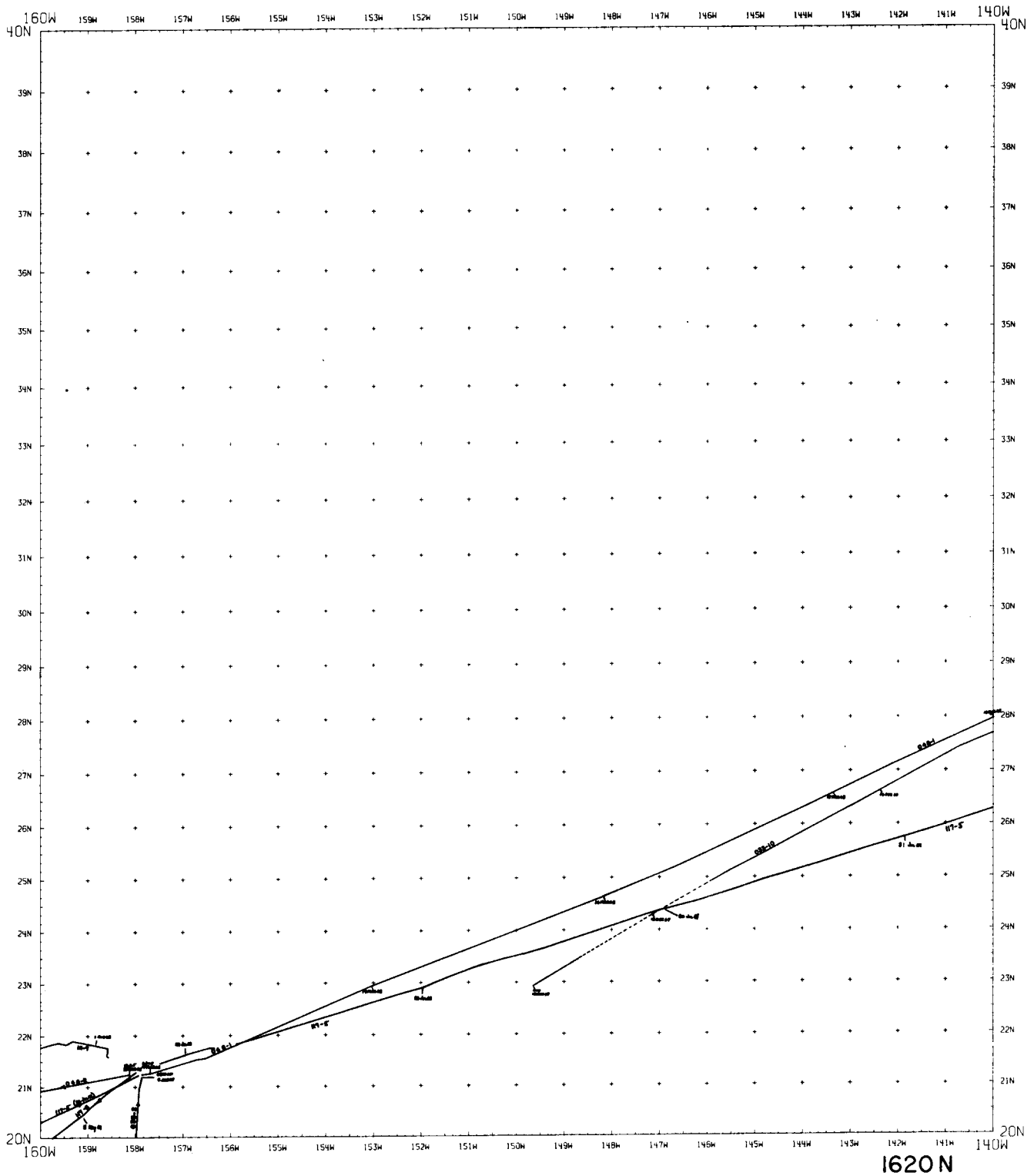


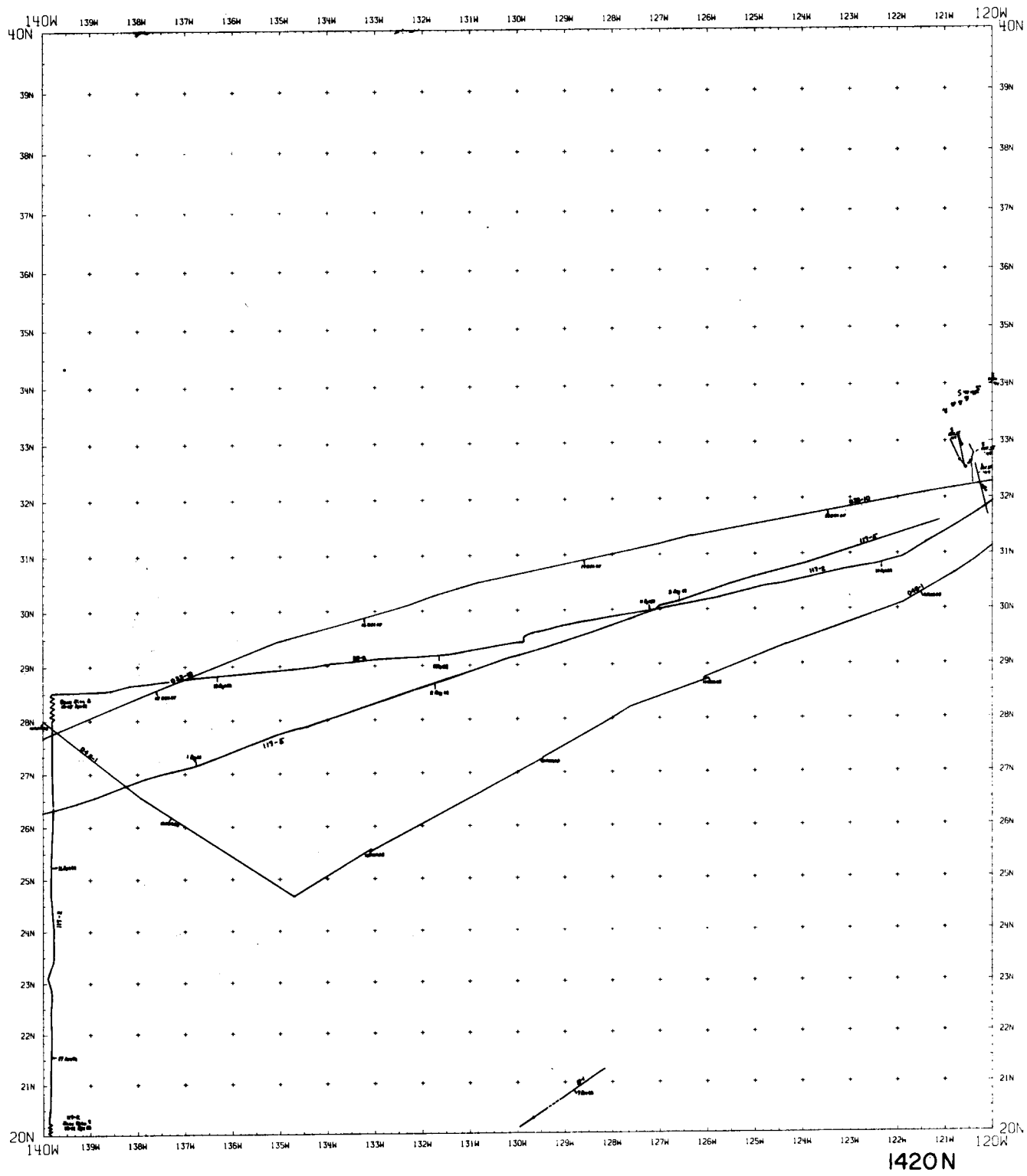
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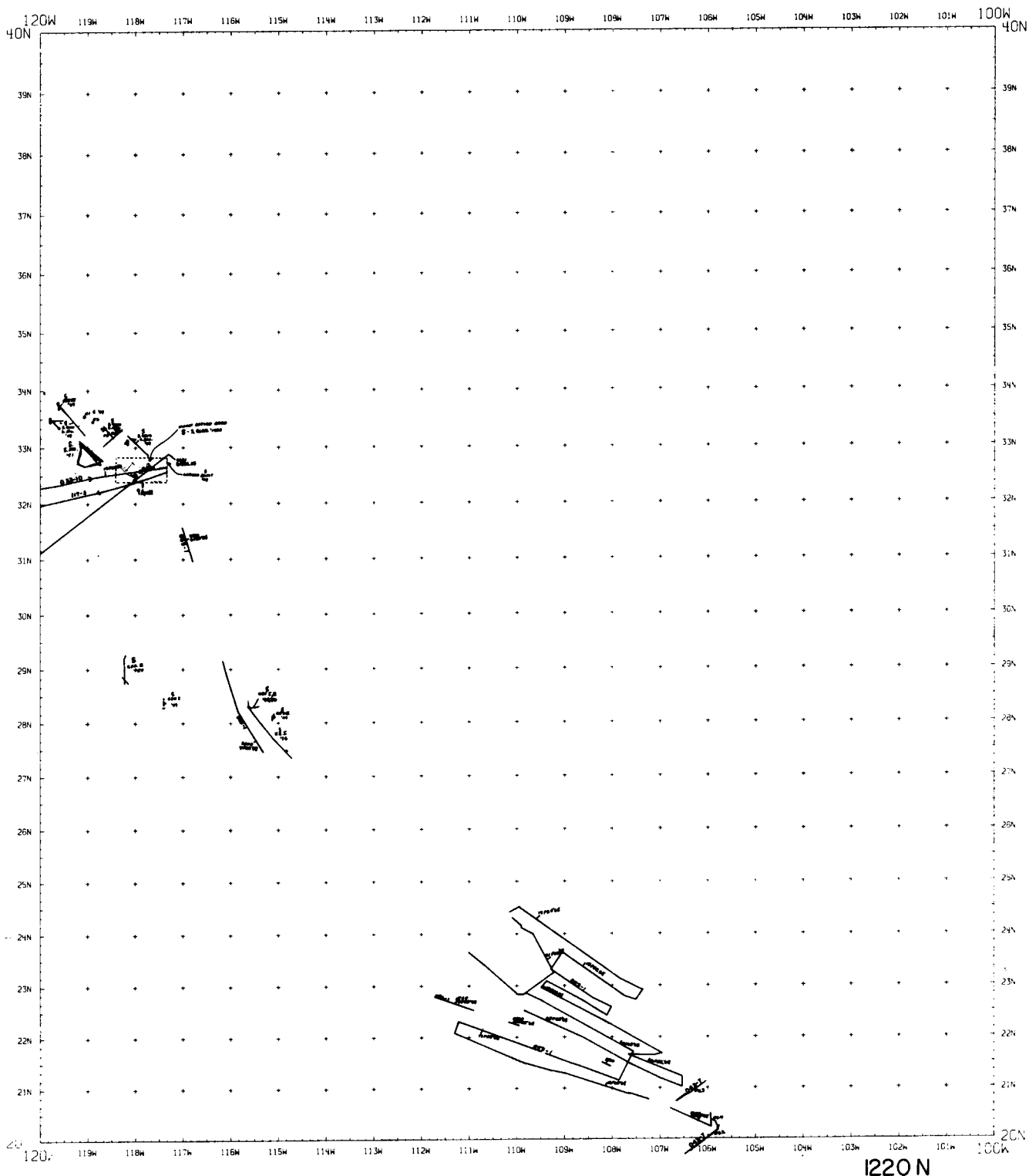




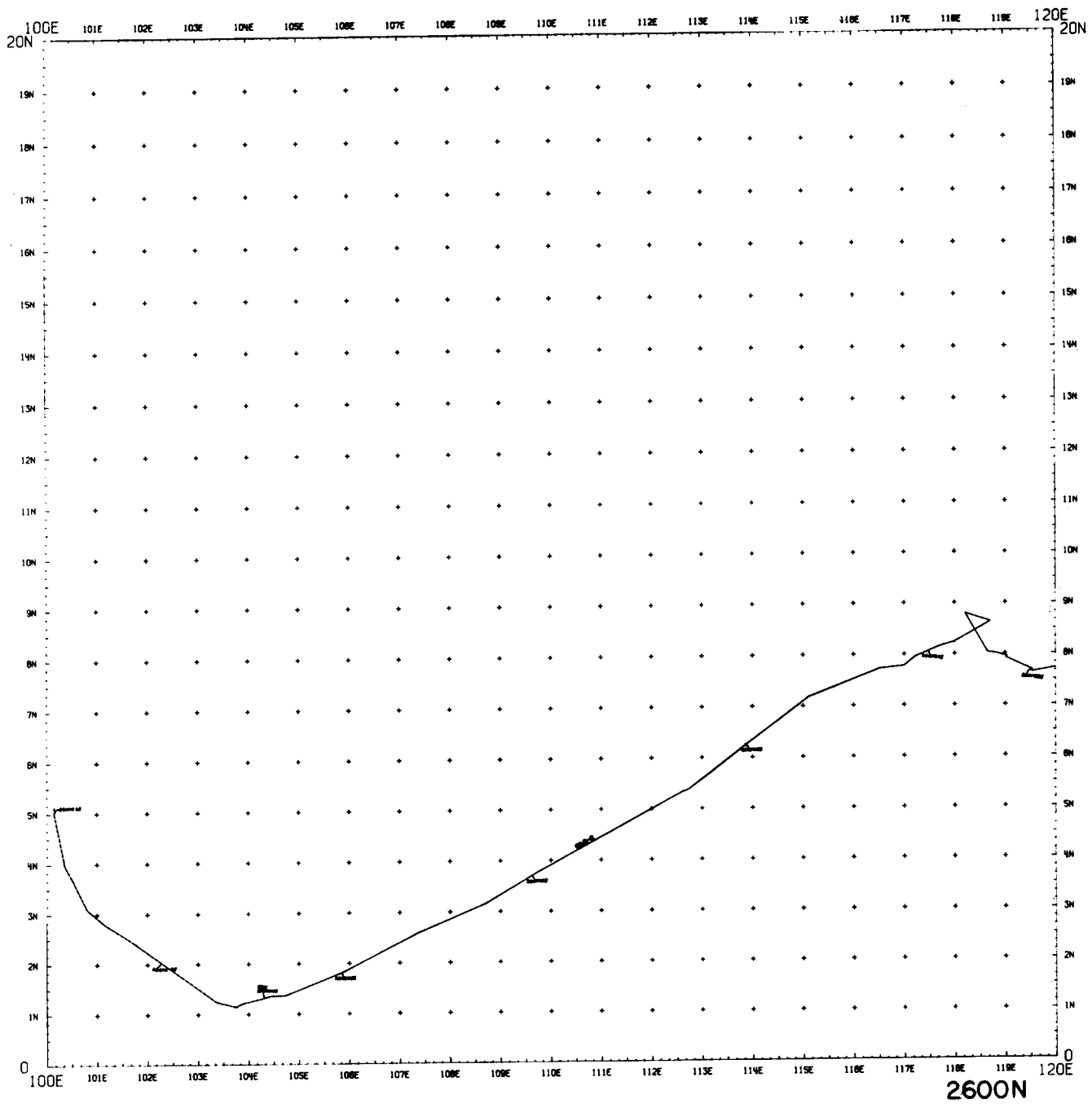


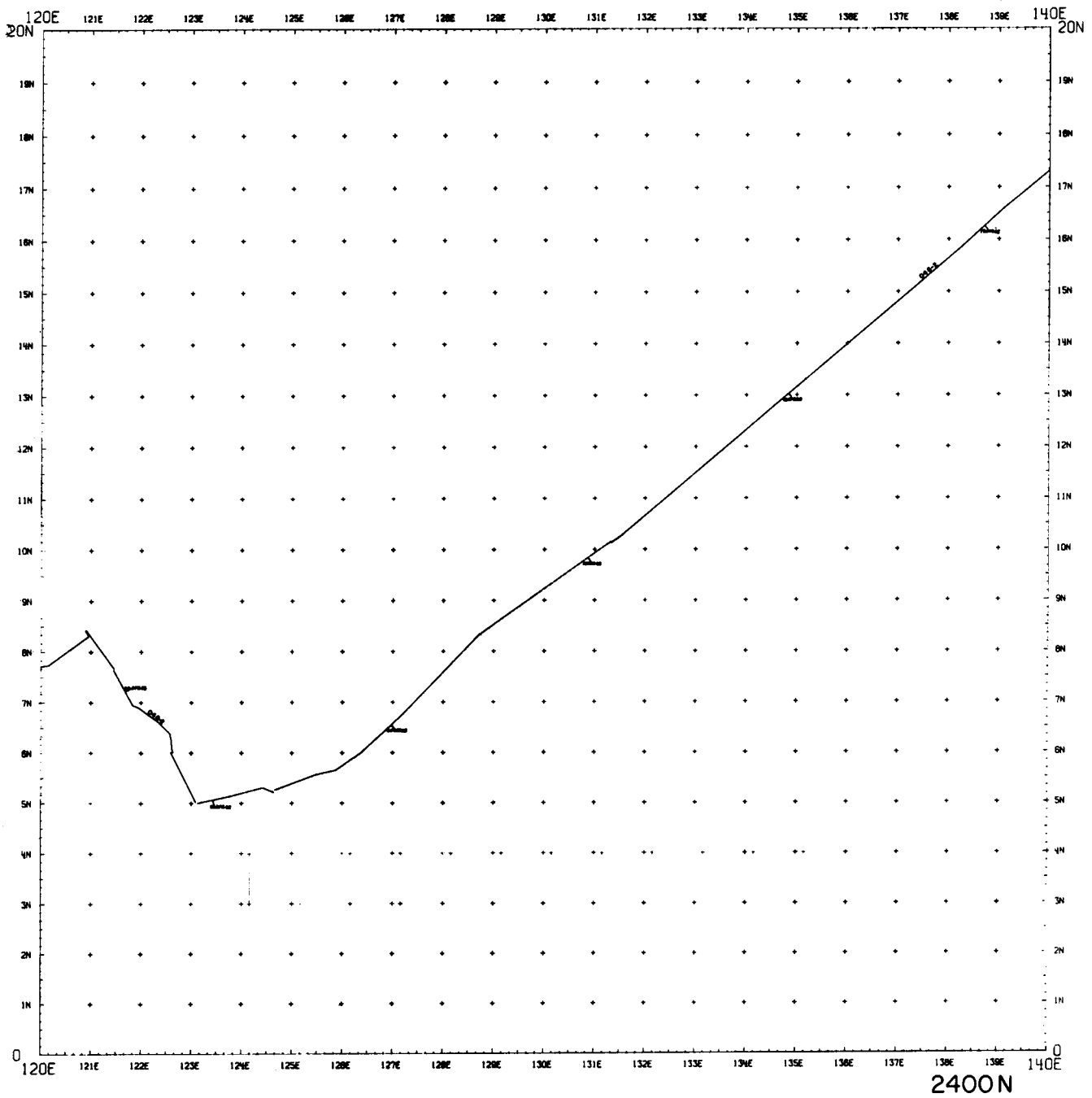


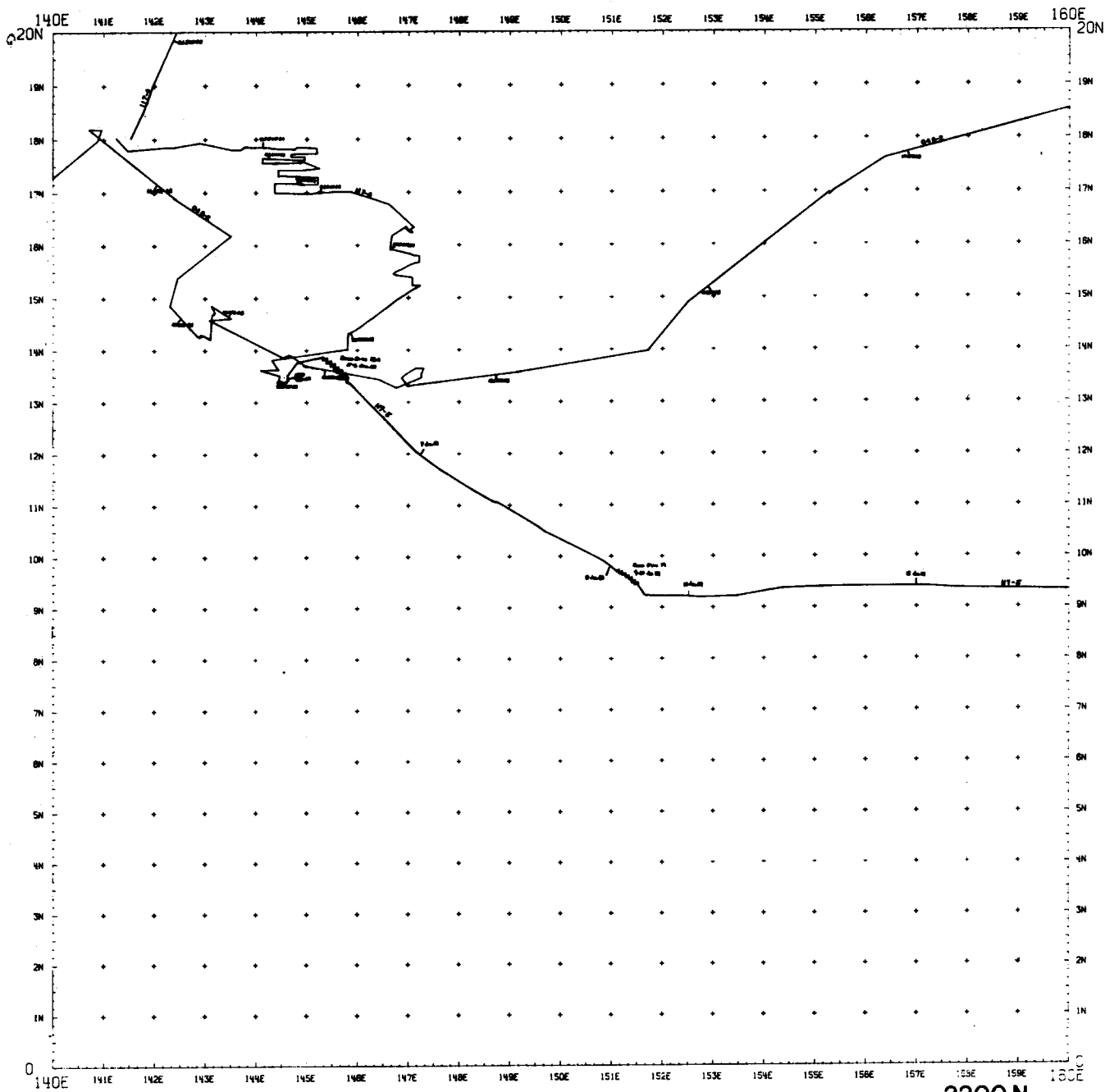


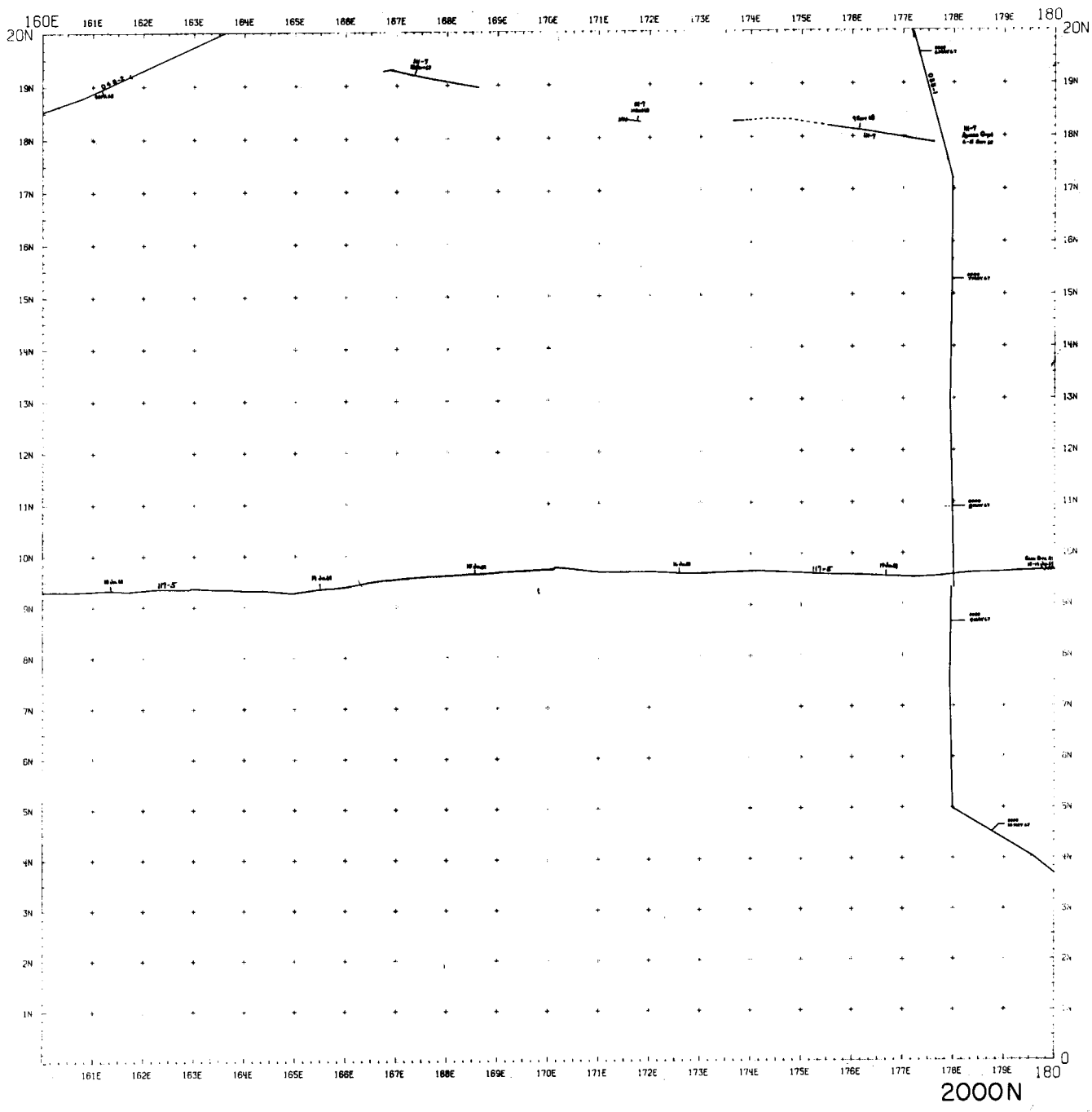


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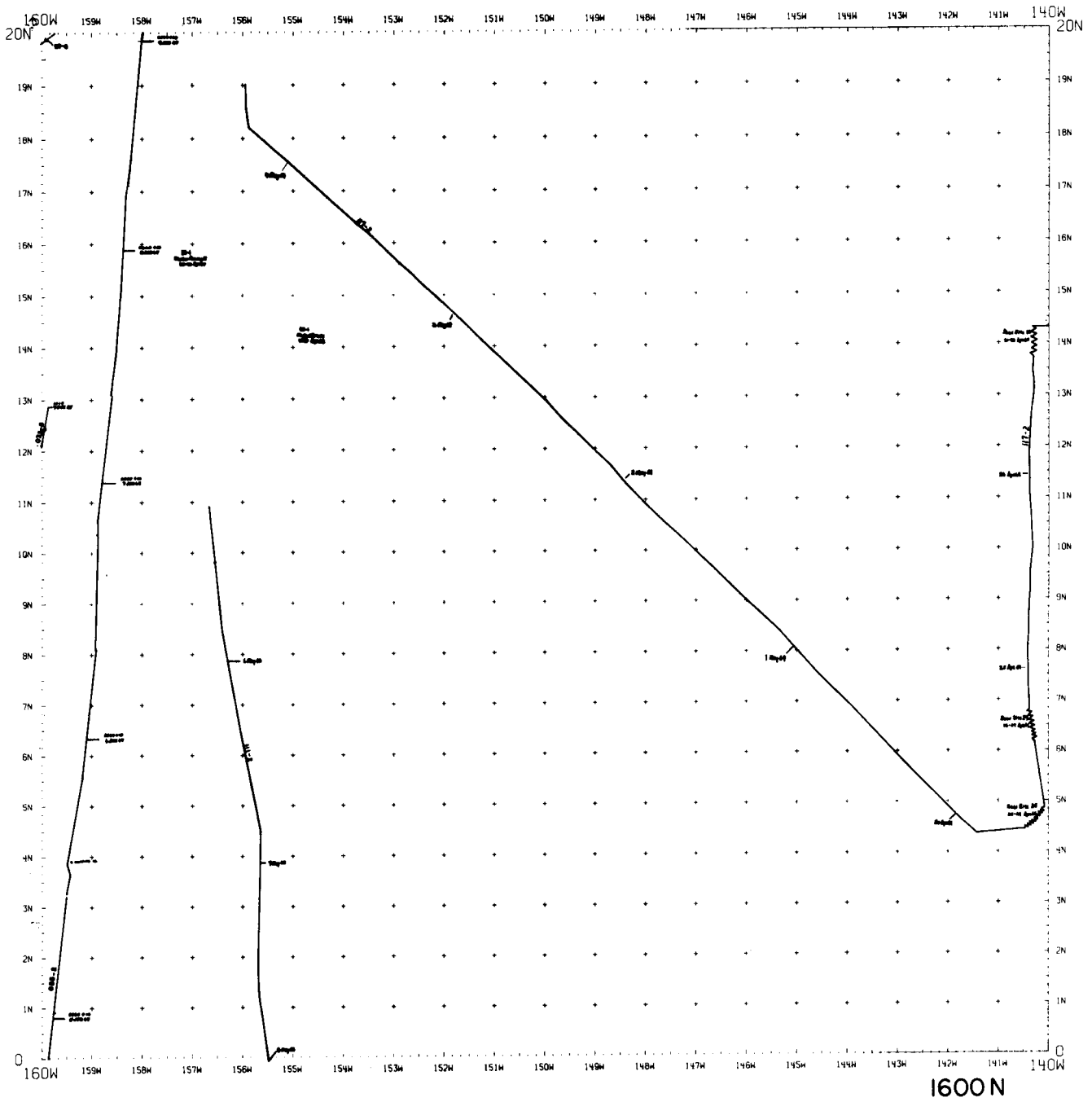


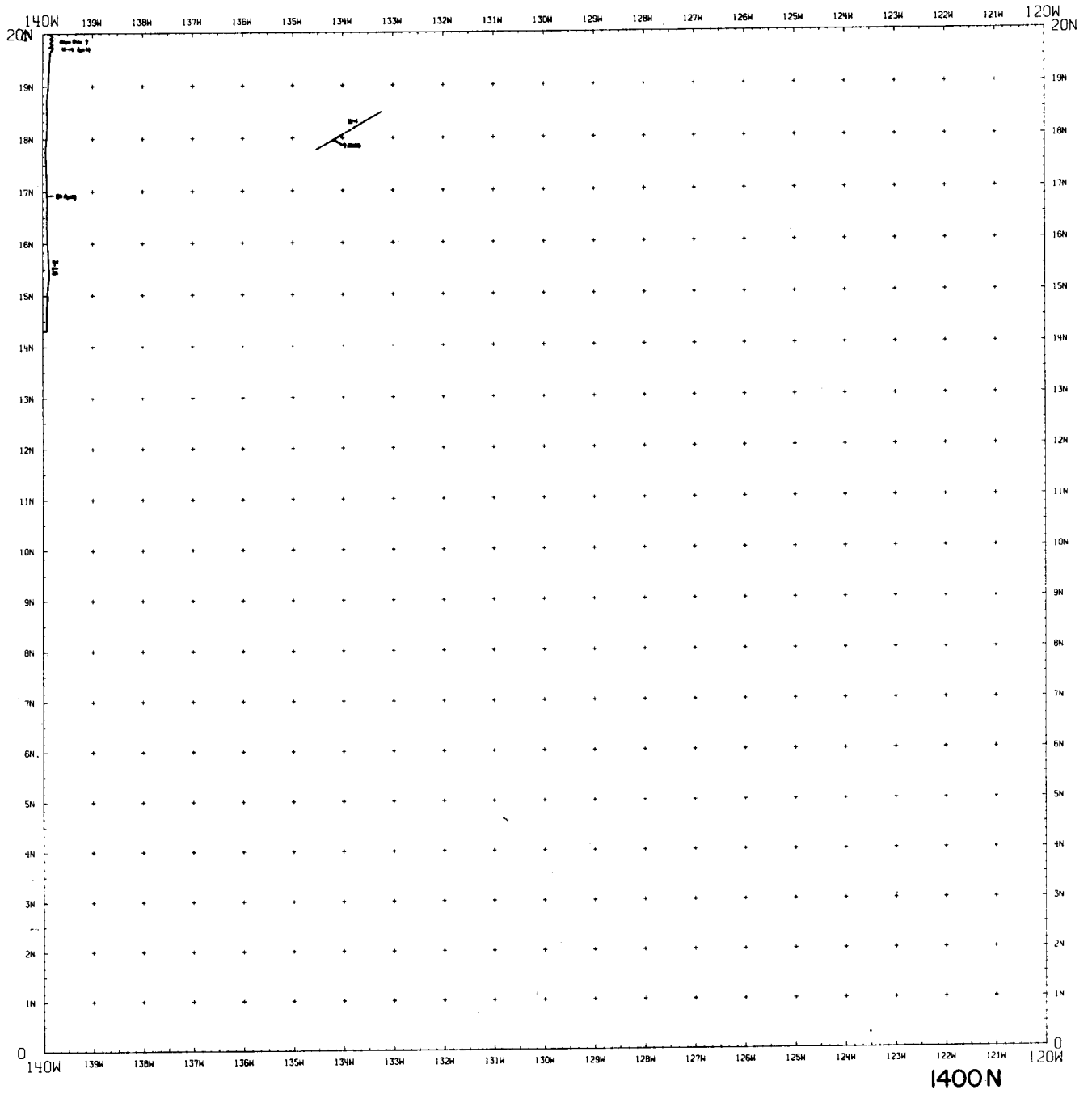


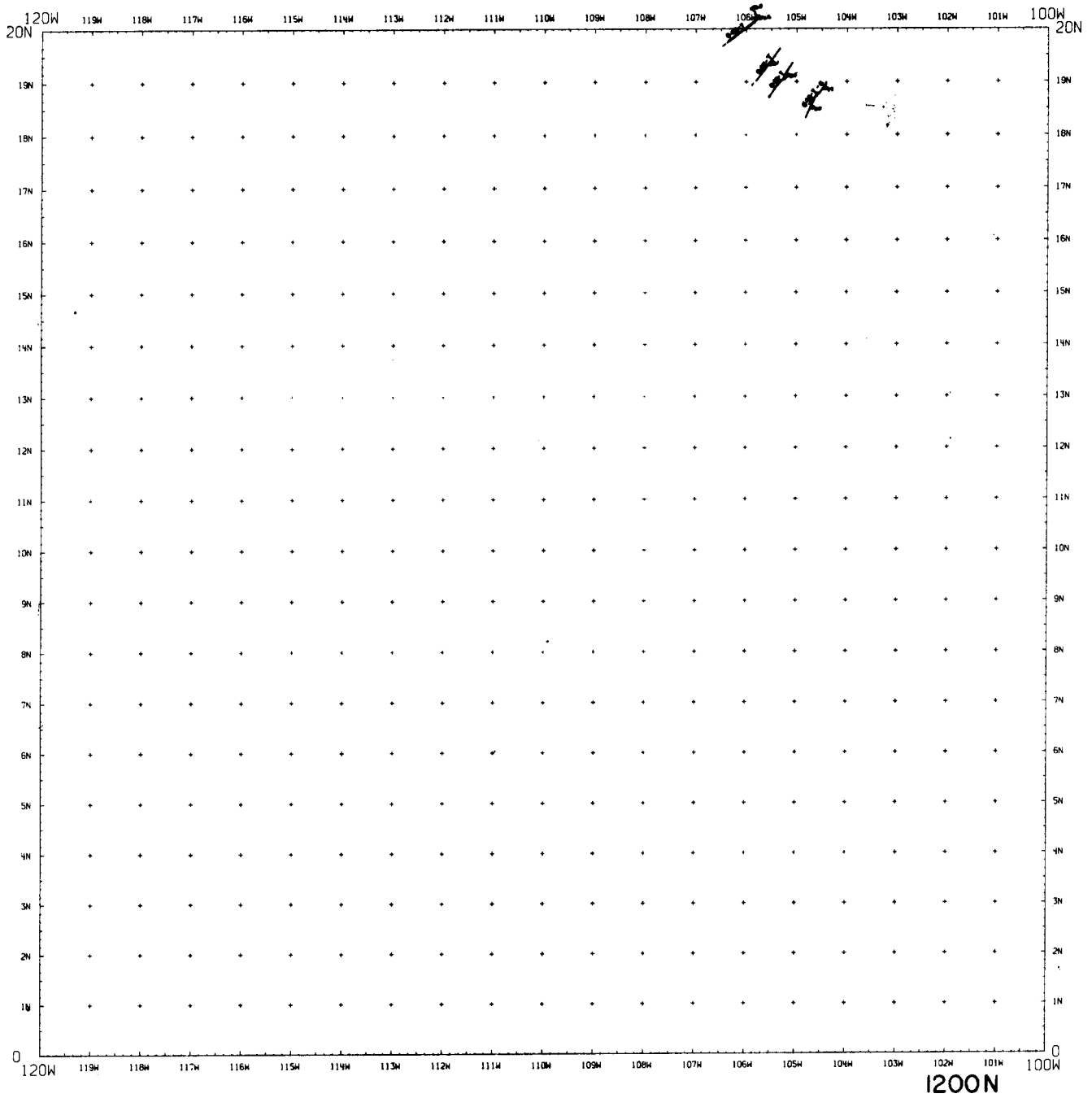


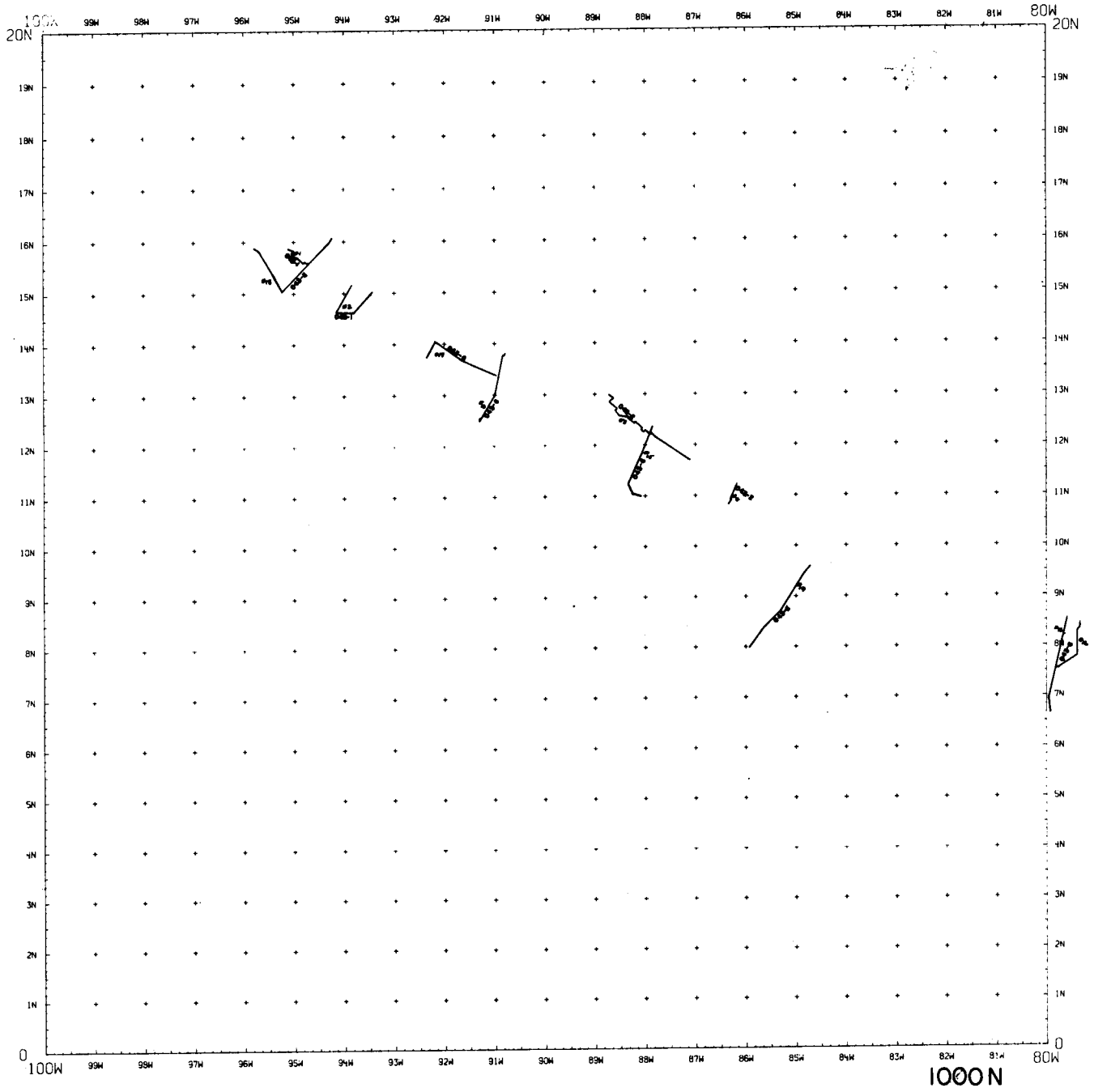


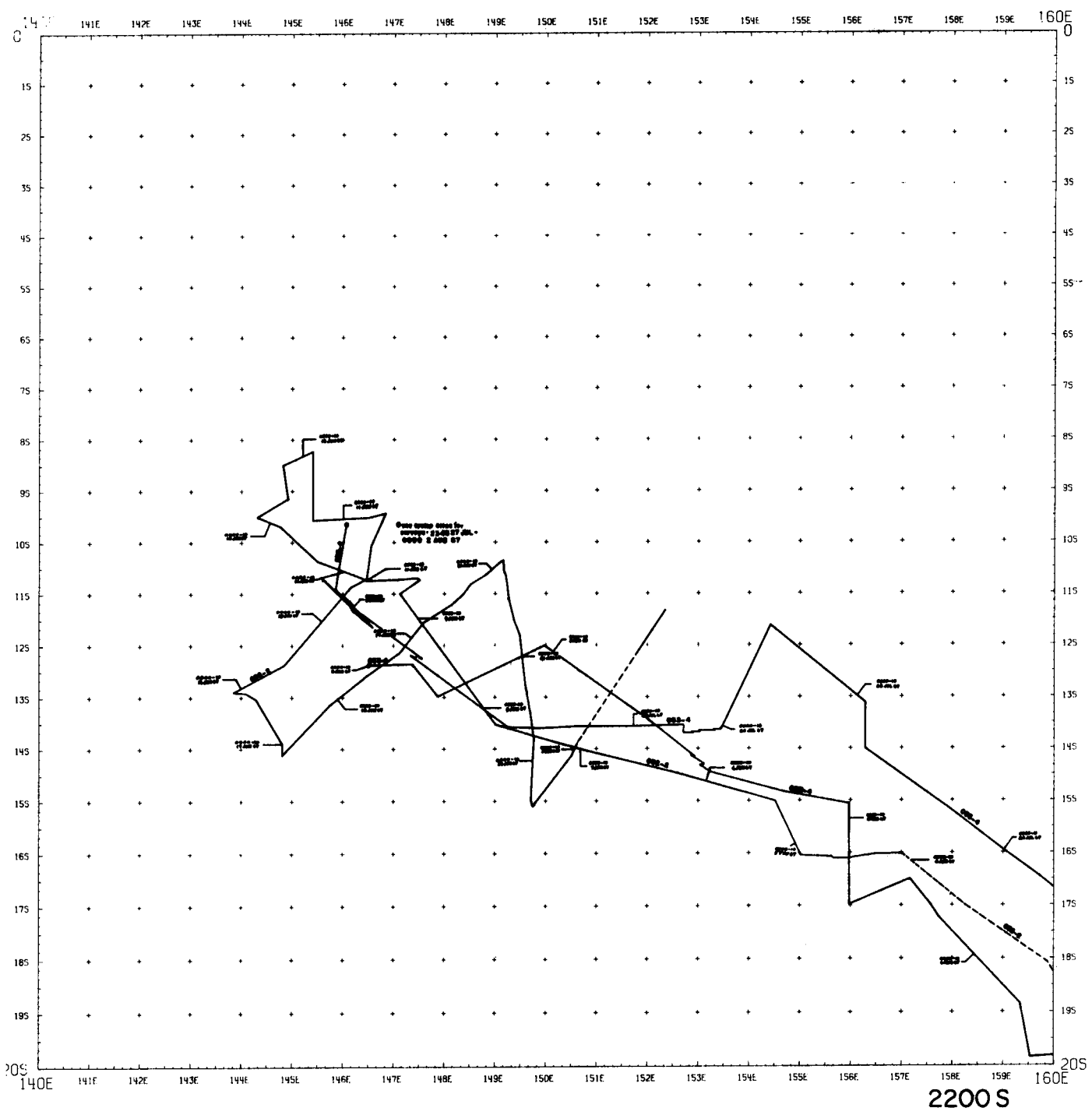
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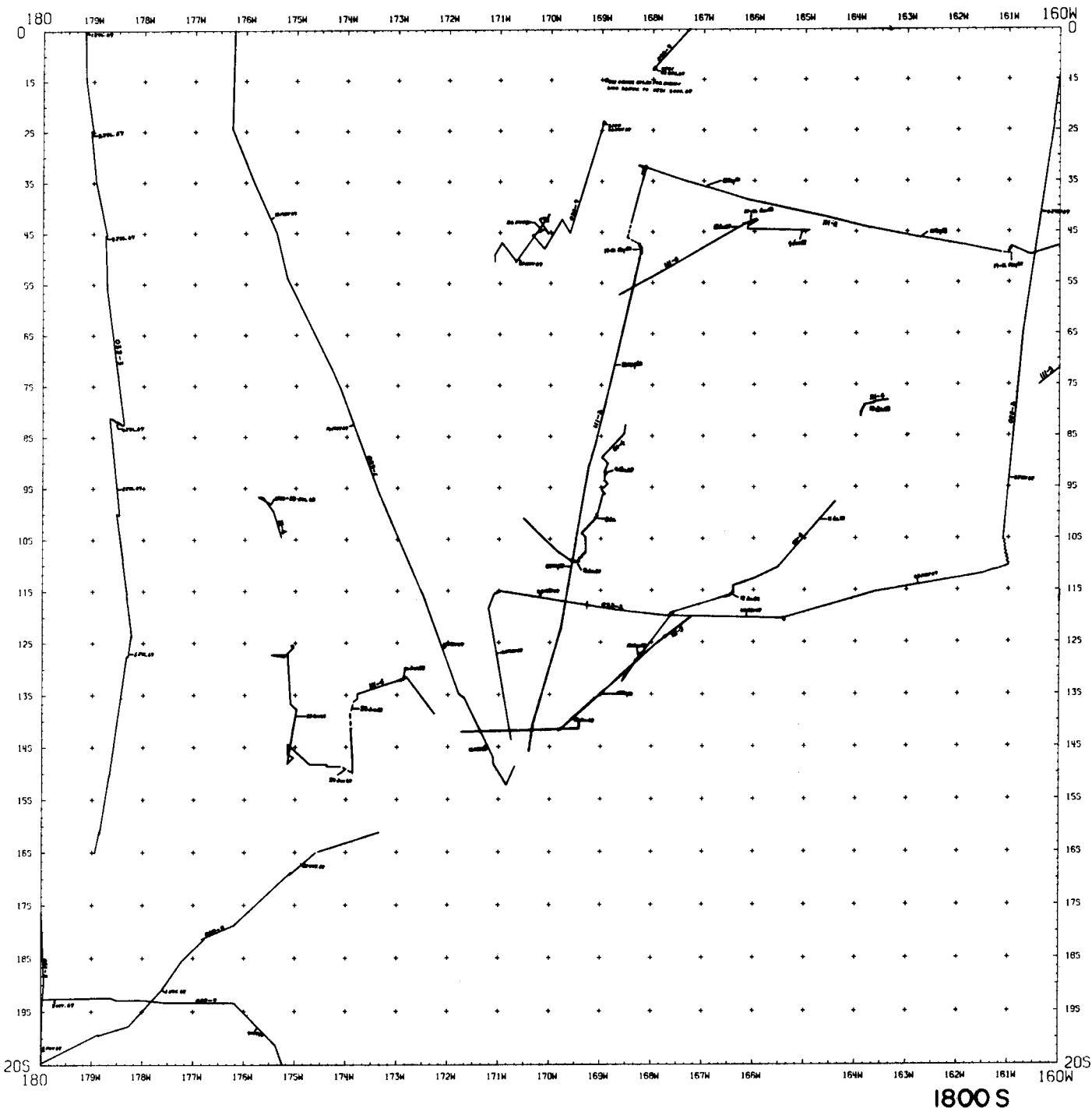


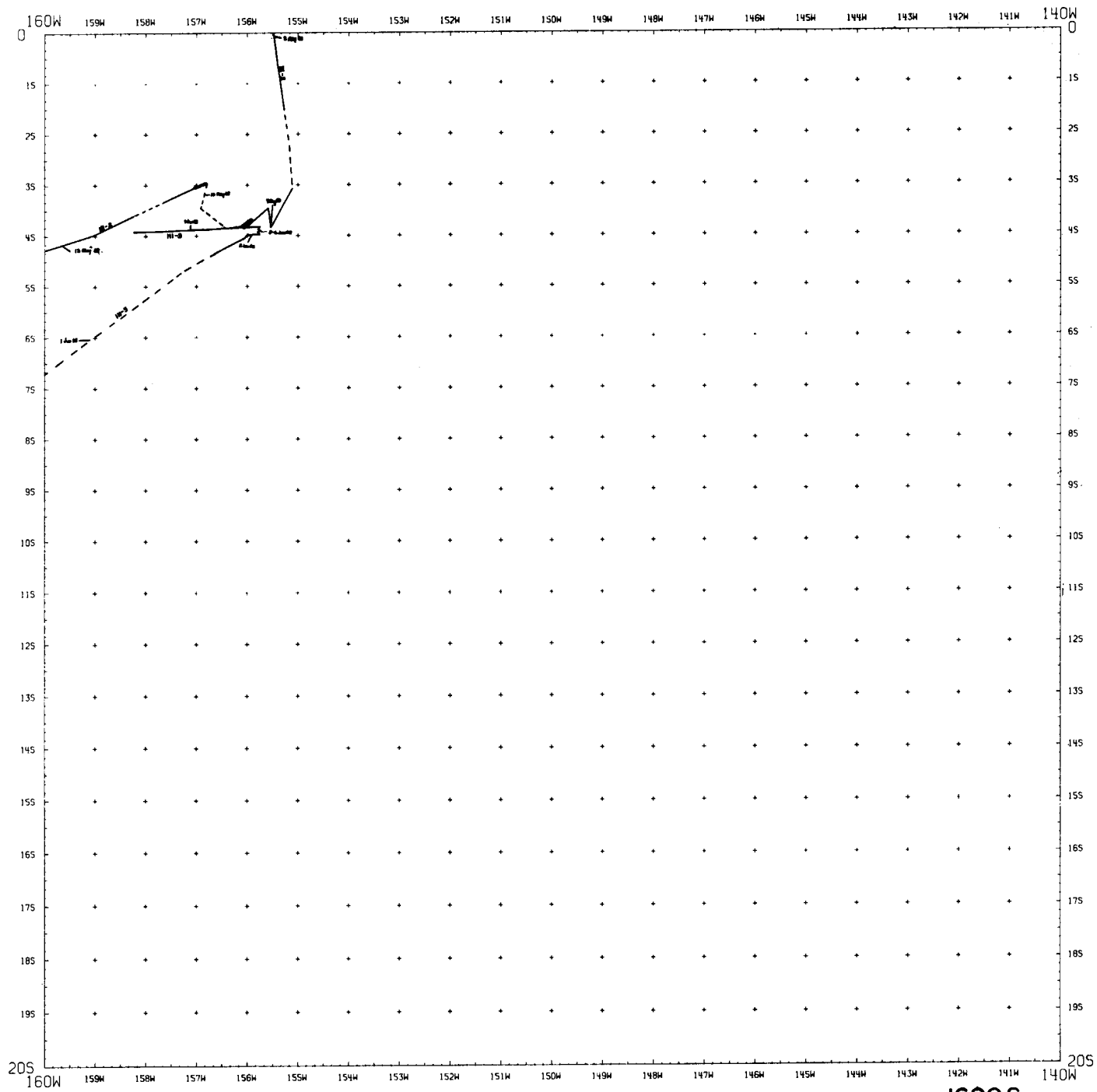




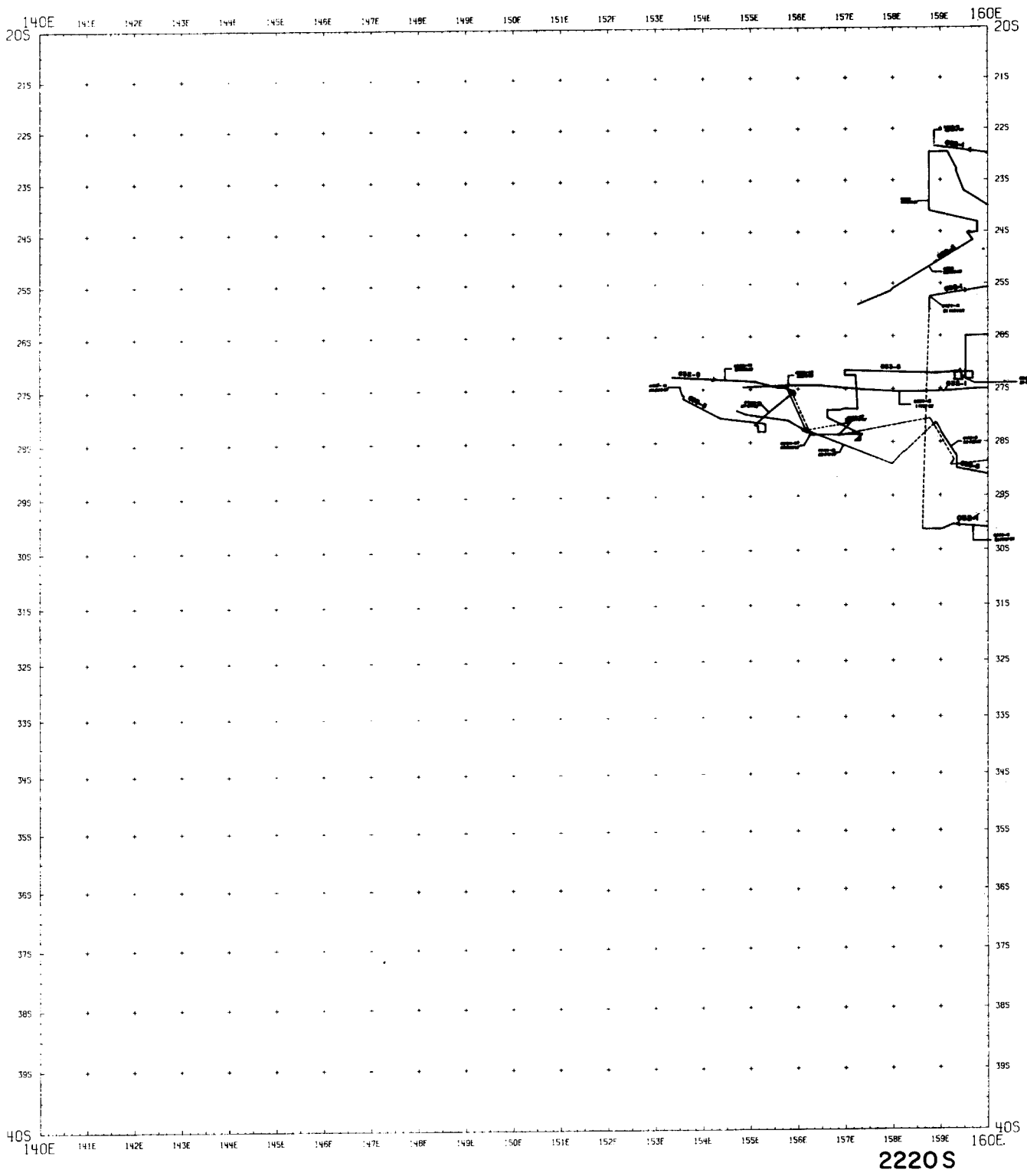


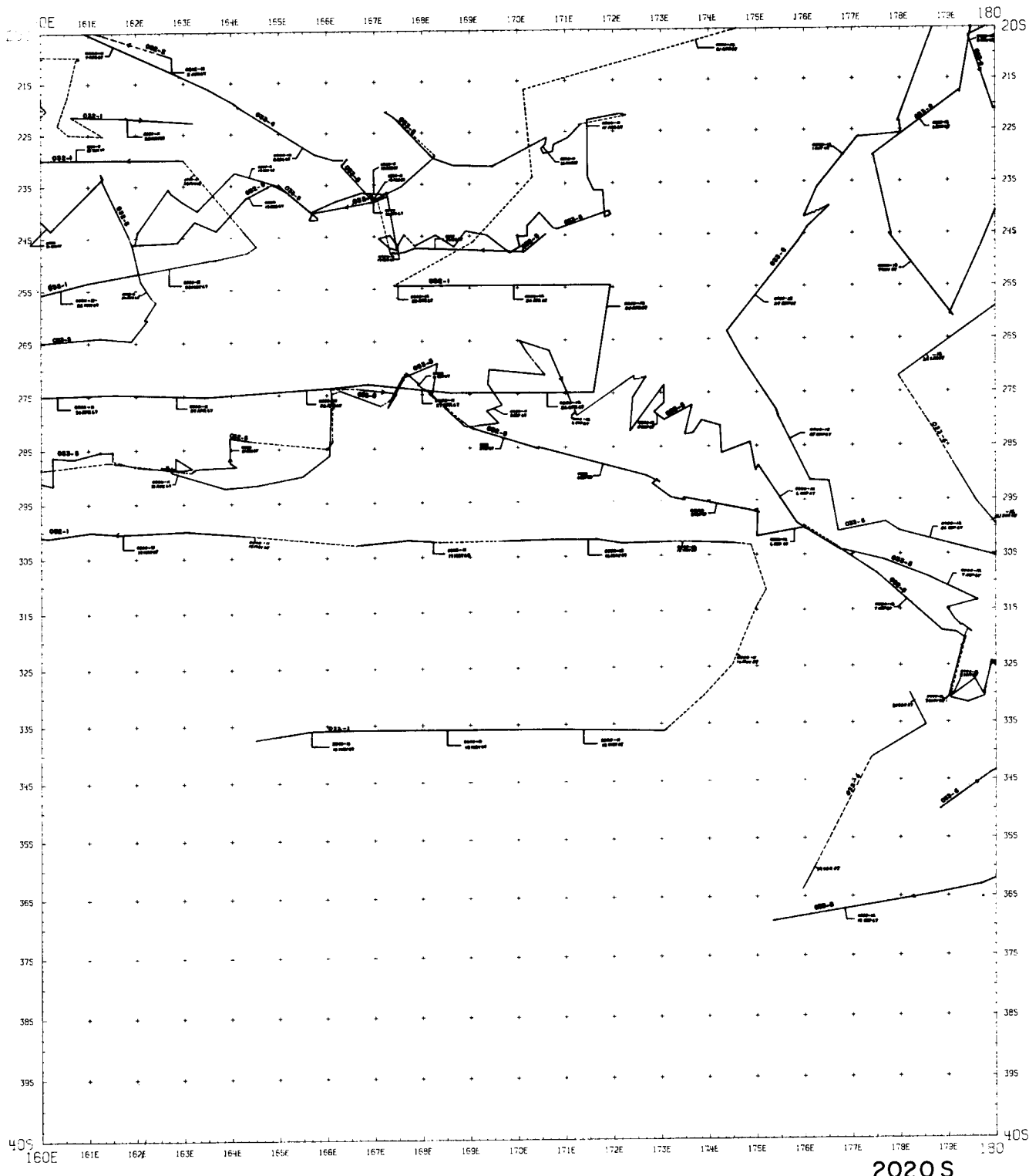






1600S





2020 S

