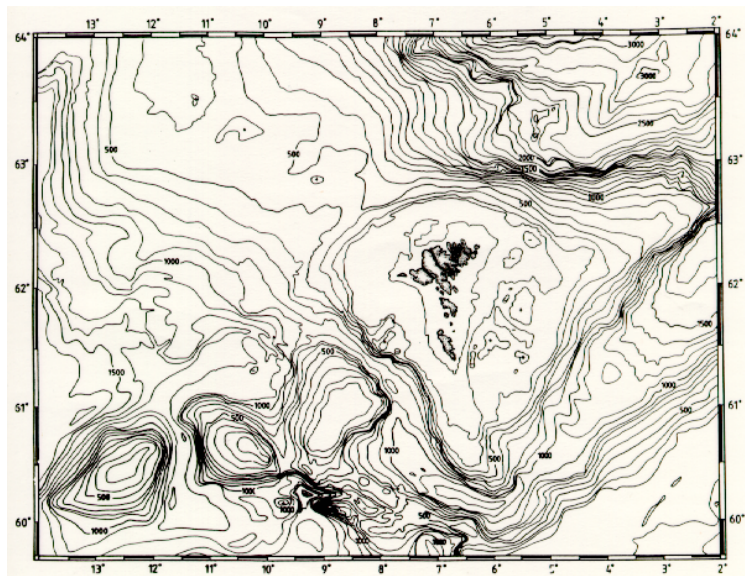




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An overview of stations sampled on the Faroe Bank during the years 1902 to 1995

Eyðfinn Magnussen



SEBRITGERÐ
Thesis

TØKNIFRÁGREIÐING
Technical Report

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Size of the Faroe Bank

Depth code	NE-SW (km)	NW-SE (km)	Area (km ²)
<100m	79,3	37,3	2.047
<200m	90,2	52,9	3.350
<300m	93,6	61,1	4.553
<400m	110,5	73,9	6.220
<500m	115,3	83,4	7.456

Tidspunkter for forskellige Havundersøgelsesskibe og lejede Skibes arbejde I færøske Farvande

Tåning (1943): Fiskeri- og Havundersøgelser ved Færøerne.

Skrift. udg. af kommis. for Danm. Fisk. Havunders. (12). p.21

År	Marts	April	Maj	Juni	juli	Aug.	Sept
1902				M.S.		M.S.	
03			T., M.S.			T.	T.
04		T.	T.		T.	T.	T.
05			T.		T.	T.	
08						T.	
1910			T.	T.		M.S.	
13			M.	M.			
1920					N.D.	N.D.	
21		G.B.					
23		E.					
24			D., E.	D.	M.S.	D.	M.S.
25			D.		E.	D.	
26			D.	D.		D.	
27				D.	D.	D., E.	D.
29			E.	E.			
1931			E.			D.	
32				D.	D.	D.	
33				E.	D.	D.	D.
34	L.	D.	D.		D.		
35		L.		E.			
36				E.			
37			E.		S., A.	S., A.	
38			D.	E.	D., E.	D.	
1939				E.	D., A.	D., A.	

Havundersøgelser skibe

T.	= Thor	Danmark
D.	= Dana	Danmark
E.	= Explorer	Skotland
M.S.	= Michael Sarch	Norge
G.B.	= George Bligh	England
S.	= Skagerak	Sverige

Lejede Skibe

M.	Margrethe M/K	Danmark
L.	Louise M/K	Danmark
A.	Amy M/K	Danmark
N.D.	Nicolas Dean S7T	England

Faroese bottom surveys on the Faroe Bank

Since 1983 there have been carry out regularly Faroese bottom surveys on the Faroe Bank by RV Magnus Heinason. The table gives a summary of the number of trawl haul taken on the Faroe Bank in this period. The trawl numbers are divided between depth and the quarter of the year. In the 1. quarter sampling is done in the end of February and in the start of Marts. In the 2. quarter the sampling is done in April.

Number of trawl haul on Faroe Bank

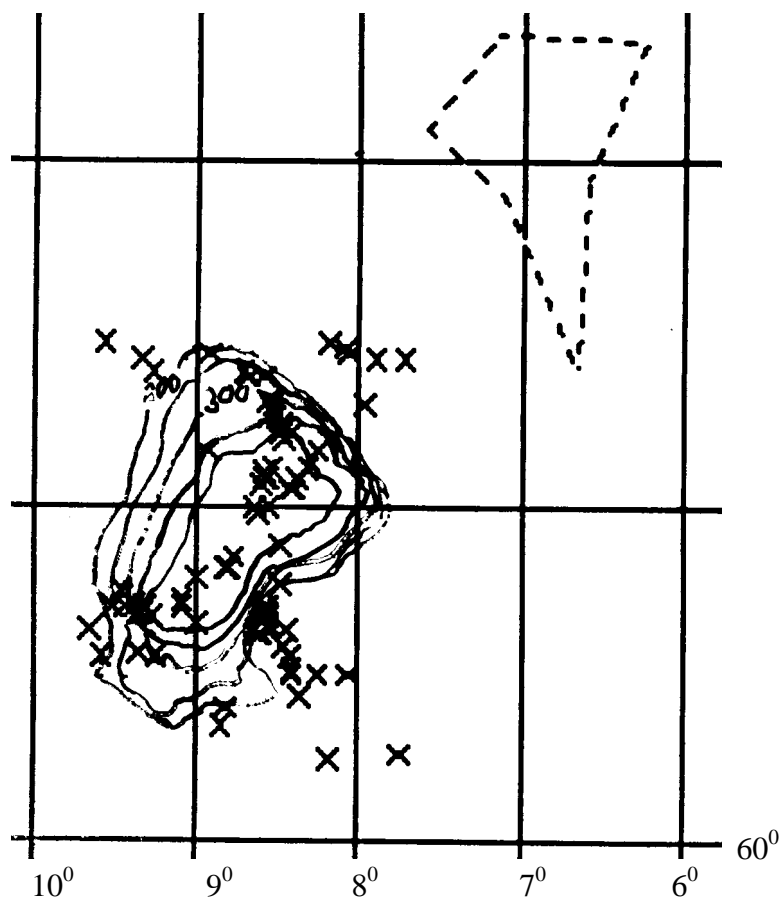
Year	1.quarter					2.quarter					3.quarter					Total
	<100 m	100- 200	200- 300	300- 400	400- 500	<100 m	100 - 200	200- 300	300- 400	400- 500	<100 m	100- 200	200- 300	300- 400	400- 500	
1983	-	8	4	-	-	-	-	-	-	-	-	-	-	-	-	12
1984	1	9	6	1	-	-	-	-	-	-	-	-	-	-	-	17
1985	-	9	5	1	3	-	-	-	-	-	-	-	-	-	-	18
1986	2	13	4	-	1	-	-	-	-	-	-	-	-	-	-	20
1987	-	12	4	1	1	-	-	-	-	-	-	-	-	-	-	18
1988	2	8	5	2	2	-	-	-	-	-	-	-	-	-	-	19
1989	2	9	2	1	1	-	-	-	-	-	-	-	-	-	-	15
1990	1	10	2	1	-	-	-	-	-	-	-	-	-	-	-	14
1991	2	14	9	-	-	-	-	-	-	-	7	-	-	-	-	32
1992	-	-	-	-	0	2	7	3	2	1	1	1	-	-	-	17
1993	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	3
1994	-	-	-	-	-	1	28	8	4	5	-	-	1	-	-	47
1995	-	-	-	-	-	2	18	2	2	3	-	-	-	-	-	27
Total pr depth	10	92	41	7	8	5	56	13	8	9	1	8	1	0	0	259
Total pr quarter			158					91					10			

BIOFAR station on the Faroe Bank

This is a list of the BIOFAR stations sampled on the Faroe Bank in the period 1987 -1992.

The stations are selected from the BIOFAR database between the position 07°40'' and 09°40'' W and between 60°15'' and 61°30'' N

Gear	# sample
3s: Heavy triangular dredge	31
An: Plymouth anchor dredge	7
Bo: 0,1 m ² Smögen boxcorer	1
CT: ?	2
Ds: Detrus sledge	21
Md: Meiofauna dredge	4
Ph: Photographs of bottom	7
MI: 0,1 m ² McIntyre grab	14
RP: Rothlisberg & Percy epibentic sample	5
RT: Fine-meshed bottom trawl	5
Ss: Scallop dredge	2
vV: 0,2 m ² van Veen grab	1
Total	100



Statno.	Date	Time	Lat.N	Long.W	Depth	Gear	Sediment	Comments
66	21-07-1987	??	612973	93446	900	CT	-	
68	21-07-1987	837	61263x	09204x	600	Ds	store sten	
69	21-07-1987	944	612499	91655	558	Ss	store sten	
70	21-07-1987	1214	612469	84397	352	Ds	store sten	
71	21-07-1987	1304	61233x	08419x	358	Ss	store sten	
72	21-07-1987	1454	611688	83130	222	Ds	-	
73	21-07-1987	1555	61143x	08295x	185	RP	-	
74	21-07-1987	1648	611313	82581	160	MI	fint skalsand	
75	21-07-1987	1735	611327	82547	156	Ds	skalgrus	
76	21-07-1987	2059	610360	82400	99	Ds	skalgrus	
77	21-07-1987	2123	61058x	08230x	99	RP	skalgrus	
78	22-07-1987	10	605351	82916	150	Ds	meget fint skalsand	
79	22-07-1987	130	604657	82944	230	Ds	-	
80	22-07-1987	331	603889	82793	678	Ds	-	
81	22-07-1987	530	60335x	08261x	723	MI	lysgrå ler m.sten og grus	
82	22-07-1987	642	603134	82507	732	RP	-	
83	22-07-1987	755	603062	82521	730	CT	-	
257	14-05-1988	0	611864	07580x	850	MI	?	Ingen kvantitativ prøve! Kun for interessens skyld.
258	14-05-1988	330	611745	83198	248	MI	Sand	Sand.
259	14-05-1988	400	611785	83263	257	MI	Sten og sand	En grab mislykket - sten. Sand.
260	14-05-1988	445	611795	83261	258	MI	Sten	En grab mislykket - sten. Endnu en mislykket - AVSLUTTET.
298	17-07-1988	1525	60153x	08119x	593	3s	Hårdt	En slags "Ostebund". Hård bund med svampe. Ophiuridae - mange. Crinoidea - mange. Brachiopoda - mange. div. svampe.
322	20-07-1988	16	60337x	09152x	210	3s	Sand m. nogen sten	Trækket gjort på østsiden af kanten på banken. Prøven rig på Gastropoder. Sand med nogen sten.
323	20-07-1988	127	60338x	09152x	220	3s	Sand, grus og nogen sten	Trækket gjort på vestsiden (op mod) kanten af banken. Sand, grus og nogen sten. Dentalium - mange. Astarte - mange. Spatangus - nogen. Stichopus - få.
324	30-07-1988	305	60349x	09218x	375	3s	Sand, grus og sten	Sand, grus og sten. Spatangus - 3 stk. Astarte - nogen. Pandalus - nogen. Arca - nogen.
325	20-07-1988	733	610x1x	08397x	98	3s	Skalsand m. skaller skalstumpe	Rigt dyreliv, særligt Echinodermer og muslinger. Skalsand med mange skaller og en del skalstumper.
326	20-07-1988	903	61030x	08261x	99	Ds	Fint skalsand	Prøve taget fra til Ockelmann. Fint skalsand.
327	20-07-1988	1248	61275x	08557x	210	3s	Store sten og lidt grus	Skrabenettet revnet. Store sten og lidt grus. Astarte.
328	20-07-1988	1445	61276x	08046x	400	3s	Hårdt	Posen revnet og skraberen op efter "frelseren". Hård bund. Svampe - div. Paramurecia - flere.
329	20-07-1988	1705	61270x	08047x	450	3s	Sand og grus	Sand og grus. ophiuridae - store mængder. Brachiopoda - mange. Echinoidea - diverse.
495	24-07-1989	1040	603822	93904	584	Ds	blød, skalsand, sand og små sten	
496	24-07-1989	1355	60337x	09356x	515	Ds	Fint skalsand m. en del grus	Fint skalsand med en del grus.
497	24-07-1989	1745	60244x	08495x	398	Ds	"bløt", sand og grus	
498	24-07-1989	1920	602105	85157	509	Ds	"bløt", grus og mindre sten	2 Geodia - en av dem med 2 Hanleya.
499	24-07-1989	2153	603530	82840	613	Ds	"hårdt", sten og grus	En stk. Macrourus berglax (Risna langasporl) tatt i sleden - kastet.
500	25-07-1989	0	602687	82264	714	Ds	Store sten og grus	Store sten og grus med ret rig fauna.
501	25-07-1989	405	60302x	08157x	804	Ds	blød, kulholdigt slam m. småsten	
502	25-07-1989	644	603026	80404	890	Ds	"bløt", grus m. silt	Svært kjedelig prøve, nesten ikke liv å se. Alt matriale gennemmått.
503	25-07-1989	959	603802	83354	513	3s	hårdt, sten og grus	
504	25-07-1989	1115	603722	83775	404	3s	stein, grus og sand	
505	25-07-1989	1227	60376x	08369x	350	3s	sten og grus	Skraben kom op med sprængt sikkerhedssnor.
506	25-07-1989	1341	60406x	08348x	350	3s	sten og grus	
507	25-07-1989	1501	60396x	08332x	450	3s	grus med sten	
508	25-07-1989	1700	60416x	08346x	300	3s	sten og grus	
509	25-07-1989	1848	604233	83432	271	3s	stein, singel m.sand	Lite igjen på 1mm sikt - ikke tatt vare på. 3mm-sikten håndplukket
510	25-07-1989	2049	603986	90005	136	3s	skjellsand	
511	25-07-1989	2224	604103	92032	181	3s	stein og grus	svært lite materiale i skrapen!

512	25-07-1989		604089	91609	151	3s	stein og skjellsand	Meget lite materiale i skrapen
528	29-07-1989	1300	61101x	08564x	250	RT	-	Noen få døde Lophelia-klumper. Diverse fisk.
529	29-07-1989	1825	612667	74343	260	RT	-	noen få klumper død Lophelia. Knust og plukket dyr fra. Svamp i trålpøse og på Lopheliaklumpene. 1 hestemakrel i trålen.
530	29-07-1989	1946	612696	75458	311	RT	-	Store Geodia, Asteronyx, Geogonocephalus, Stichopus. Ellers var trålfangsten dominert av gull-laks og lusuer.
531	29-07-1989	2204	612980	81193	364	RT	-	Store Geodia. Levende Paramurecea recediforaris. Prøven dominert av Lusuer, gull-laks og kolmule.
541	31-07-1989	1615	61282x	08057x	260	RT	-	Trawlet helt ødelagt. Der var næsten intet i posen, kun nogle octecraller og cidaris.
568	18-10-1989	2200	611230	81181	226	3s	små basaltsten	skraben sprængt
569	18-10-1989	2315	611063	81504	127	3s	fint skalgrus, store sten	fint, velsortert skalgrus med lidt detritus, store sten
570	19-10-1989	40	610786	81925	94	3s	groft skalgrus	Med døde skaller, få levende muslinger
571	19-10-1989	215	605971	83765	105	3s	skalgrus, få skaller	lidt detritus, velsortert middelstørrelse af skalgrus. Polygordius og Echinocyamus pusillus hyppige. En del sipunculider
572	19-10-1989	320	610574	83525	104	3s	velsortert skalgrus	Fantastisk rig, interstiriell fauna med masser af tardigrader, gastrotricher og archiannelider, sipunculider, små polychaeter lidt sjældnere. "polygordius-sand" med Echinocyamus, solenogastres og chaetodermider. Interstitielle gastropoder: Caecum glabrum, Em
573	19-10-1989	425	611242	82822	144	3s	groft skalgrus	Voksen Rugiloricus, store skalfragmenter. Klipper eller store sten i området.
577	08-04-1990	645	61060x	83532	104	vV	fint-middel skalsand	Til Reinhardt
578	08-04-1990	715	61060x	08355x	105	Bo	-	1. forsøg mislykket. Til Onno/Thiel
579	08-04-1990	920	61055x	08343x	104	An	-	Til Bogi+Bob Higgins
580	08-04-1990	950	610550	83430	105	MI	-	Til Onno, kvantitativ
581	08-04-1990	1010	610550	83430	105	MI	-	Mislykket
582	08-04-1990	1025	61055x	08333x	105	MI	-	Til Onno/Thiel
583	08-04-1990	1050	610510	08339x	105	Ds	skalsand	fin prøve, 3/4 full, Spatangus, ikke gemt
584	08-04-1990	1250	61045x	08362x	105	3s	-	skraber totalt ødelagt. Store mengder kolonidannende foraminifer (Acerulina). 1 glas svamp, 2 glas til T.Cedhagen
585	08-04-1990	1400	610564	83591	92	Md	fin skalsand, detritus	2 l sediment fikseret til T.Cedhagen. 25 l til Reinhardt-Higgins
586	09-04-1990	1050	604700	90077	105	Md	gr.skalgrus og silt	Til Reinhardt-Higgins
587	09-04-1990	1430	60455x	09286x	460	3s	småsten, grus	
625	18-04-1990	1130	610014	83360	100	Md	velsortert skalgrus	Til Claus Clausen. Echinocyamus pusillus
626	18-04-1990		611348	82963	160	Md	velsort.skalsand	med basaltkorn. Til Claus Clausen
627	18-04-1990	2320	611766	83225	260	An	fin skalsand med basalt	med basaltkorn. Til Olav Giere ca. 100 kg. Ingen gasudslip fundet
677	11-05-1990	630	605160	84600	129	RP	-	Prøve fra 129m til 132m. Ingen bunninformasjon
678	11-05-1990	900	604989	84847	121	Ds	-	To mislykkete forsøk. Trekk fra 121m til 123m
679	11-05-1990	953	604928	84910	123	Ph	-	
680	11-05-1990	1300	604233	90534	134	Ds	skallsand	Numrene inne i glassene tildels med 679! Kun 5min trekk
681	11-05-1990	1330	604273	90556	133	RP	Skjellsand	Spann breddfull av sand. Tatt ut 1/9 av restfraksjon etter 2mm sikt.
682	11-05-1990	1348	604298	90570	134	Ph	-	Håkan Westerbergs fotoutstyr.
683	11-05-1990	1415	604300	90523	134	Ph	-	Julian Gutt's fotoutstyr.
684	11-05-1990	1510	604233	91891	171	Ph	-	Julian Gutt.
685	11-05-1990	1545	604220	92300	232	Ph	-	Julian Gutt.
686	11-05-1990	1630	604200	92601	379	Ph	-	Julian Gutt.
687	11-05-1990	1712	604201	93166	532	Ph	-	
8050	17-04-1990		61292x	08118x	400	MI	?	
8053	18-04-1990		61057x	08335x	100	MI	?	
8055	18-04-1990		61152x	08293x	207	MI	?	
8056	18-04-1990		61175x	08327x	252	MI	?	
8057	18-04-1990		61191x	08340x	300	MI	?	
732	29-09-1990	2325	60163x	07455x	742	3s	grov grus, stein	mange små svamper
735	30-09-1990	920	60390x	09000x	138	Ds	fint skalgrus	Spatangus, bit av skall av Pecten maximus

784	01-04-1992	905	611792	83241	271	An	fint basaltsand, groft kalksilt	Fint basaltsand blandet med groft kalksilt. Store mængder detritus. Tæt på gasudslip. Mange nematoder, få tardigrader og loriciferer (Rugiloricus)
785	01-04-1992	940	611778	83225	249	An	basaltgrus med kalksand	Enorme mængder af loriciferer, Rugiloricus, Urnaloricus og neotene larver af Rugiloricus. Tardigrader: Styraconyx og Actinarctus sp.
786	01-04-1992	1050	611233	82823	148	An	fint kalksand	Masser af gastrotricher (Chordodasys, 2 arter) tardigrader og loriciferer (Nanaloricus, Rugiloricus). Fantastisk rig interstitiel fauna med Halomohydra, Nerillider, Protodrilus e.t.c.
787	01-04-1992	1207	610561	83543	109	An	groft skalgrus	God prøve, men meget hård bund. Anchor-dredge temmelig beskadiget. Loricifera: Ny slægt af Nanaloricida, Rugiloricus, Pliciloricus og Urnaloricus. Tardigrada: 15 arter inklusiv: Tanarctus arter Batillipes, Raiarctus og Arctinarctus. Gastrotricher, Archia
788	01-04-1992	1645	612318	83513	273	An	afrundede sten m. bryozoa	Må have været fast sand med spredte sten. Tardigrada: ny slægt af Florarctider, Halechiniscus intermedius, Styraconyx. Larve af Urnaloricus
793	12-06-1992	2330	60412x	09214x	197	3s	fin sand/skalsand	levende ind. Fin sand med fin skalsand.
794	13-06-1992	630	61077x	08324x	104	e	grov skalgrus m. skalstykker	levende hjem, ca. 15 Glycymesis, alle ret store. Grov skalsand-skalgrus med skalstykker.
795	13-06-1992	740	61120x	08281x	127	3s	skalsand enkelte sten	Skalsand, 5-6 store, afrundede sten. 8-10 Glycymesis, 3 sorte Spatangus, 1 lys Spatangus.
796	13-06-1992	930	6118xx	0832xx	254	3s	-	

An overview of oceanography data sampled on Faroe Bank in the period 1950-1953

The following pages give a summary of the oceanography data stored in the ICES databank ROSCOP covering the Faroe Bank area. This summary contains data sampled in the period July 1950 to April 1993. The searching-criteria for the data covering the Faroe Bank are the positions between long. 0740 and 0940 and lat. 6015 and 6130 which delimit the 500 m depth code for this area. The data extraction is from the ROCOPE databank that contains all the data ICES is in position of covering the Faroe Bank area. The list was received 9. October 1995 from Harry Dooley Oceanography Secretary.

Definition and number of each ROSCOP parameter in this extraction

RP	Definition	Number of Entries
H09	Water bottle stations	144
H21	Oxygen	71
H22	Phosphate	67
H24	Nitrate	28
H25	Nitrite	1
H26	Silicate	30
H28	pH	4
H75	Total - N	1
H76	Ammonia	2
B02	Phytoplankton pigments (eg chlorophyll, fluorescence)	8
Total		356

Ship	Number of Cruises
06AD - Anton Dohrn	4
06GA - Gauss	1
06WH - Walther Herwig	2
26DA - Dana	6
26MH - Magnus Heinason	2
46BS - Bjarni Saemundsson	2
58AA - Haakon Mosby	4
58EJ - Eldjarn	2
58GS - G.O. Sars	5
58HH - Helland Hansen	4
58MS - Michael Sars	1
64TM - Tydeman	1
64TR - Tyro	1
74CH - Challenger	4
74CN - Clione	1
74CZ - Cirolana	9
74EH - Ernest Holt	11
74EX - Explorer	34
74GG - Frederick Russell	1
74HA - Hecla	1
74SC - Scotia	39
74SF - Shackleton	2
90BD - Boris Davidov	1
90P5 - Professor Marti	1
90SE - Georgi Sedov	2
90VZ - Professor Vize	1
90ZB - Professor Zubov	2
Total	144

Number of stations sampled

Year	<u>Sampling period</u>				Total	<u>Research vessels</u>				
	Q1	Q2	Q3	Q4		Expl	Sco	ErHo	Ciro	Dana
1950	6	12	6	4	28	6	22	-	-	-
1951	-	11	13	-	24	5	19	-	-	-
1952	6	5	6	3	20	-	19	1	-	-
1953	-	8	4	4	16	-	15	-	-	1
1954	-	5	6	1	12	-	12	-	-	-
1955	-	6	10	5	21	-	19	-	-	-
1956	-	-	8	5	13	10	4	-	-	-
1957	4	10	4	6	24	6	14	-	-	4
1958	6	7	6	1	20	12	6	-	-	-
1959	-	8	7	4	19	14	-	-	-	3
1960	8	35	13	3	58	59	-	-	-	2
1961	3	-	5	10	18	9	-	4	-	-
1962	1	9	-	6	16	8	-	8	-	-
1963	-	5	8	7	20	13	-	3	-	-
1964	4	4	25	4	37	8	-	4	-	-
1965	4	75	20	12	11	18	-	21	-	-
1966	-	5	-	-	5	5	-	-	-	-
1967	-	2	-	-	2	-	-	-	-	2
1968	-	-	-	4	4	4	-	-	-	-
1969	-	4	5	-	9	-	-	-	-	-
1970	-	8	-	-	8	8	-	-	-	-
1971	-	62	1	1	64	-	-	-	62	-
1972	-	-	25	-	25	-	-	-	25	-
1973	3	-	110	6	119	-	6	-	30	-
1974	4	11	21	-	36	-	10	-	22	-
1975	-	23	-	-	23	-	-	-	23	-
1976	-	25	-	1	26	-	-	-	26	-
1977	-	-	-	4	4	-	4	-	-	-
1978	-	-	5	-	5	-	5	-	-	-
1979	-	4	-	-	4	-	-	-	-	-
1980	-	7	26	29	62	-	56	-	-	-
1981	1	1	-	7	9	-	7	-	-	-
1982	-	4	-	-	4	-	-	-	4	-
1983	11	33	4	2	50	3	11	-	-	-
1984	1	2	1	-	4	-	-	-	-	-
1985	-	-	-	-	0	-	-	-	-	-
1986	-	8	-	-	8	-	-	-	-	-
1987	-	25	65	-	80	-	-	-	-	-
1988	-	13	3	-	16	-	-	-	-	-
1989	-	9	-	-	9	-	-	-	-	-
1990	-	-	-	-	0	-	-	-	-	-
1991	-	-	-	-	0	-	-	-	-	-
1992	-	-	-	-	0	-	-	-	-	-
1993	-	1	-	-	1	-	-	-	-	-
Total	62	447	407	129	1.045	188	229	41	192	12

1950

Ship: Scotia: Period from 500308 to 500308

Marsden squares:
217;2 6 stationsRoscop Parameters
H09/H10 (T) 6 H09/H10 (S) 6
H21 3 H22 3

Ship: Scotia: Period from 500513 to 500513

Marsden squares:
217;2 6 stationsRoscop Parameters
H09/H10 (T) 6 H09/H10 (S) 6

Ship: Scotia: Period from 500617 to 500617

Marsden squares:
217;2 6 stationsRoscop Parameters
H09/H10 (T) 6 H09/H10 (S) 6
H21 3 H22 3

Ship: Explorer: Period from 500720 to 500723

Marsden squares:
217;2 6 stationsRoscop Parameters
H09/H10 (T) 6 H09/H10 (S) 6
H21 3

Ship: Scotia: Period from 501104 to 501104

Marsden squares:
217;2 4 stationsRoscop Parameters
H09/H10 (T) 4 H09/H10 (S) 4
H21 2 H22 2
H28 2
-----**1951**

Ship: Scotia: Period from 510519 to 510520

Marsden squares:
217;2 6 stationsRoscop Parameters
H09/H10 (T) 6 H09/H10 (S) 6
H21 3 H22 3

Ship: Scotia: Period from 510617 to 510618

Marsden squares:
217;2 5 stationsRoscop Parameters
H09/H10 (T) 5 H09/H10 (S) 5
H21 2 H22 2

Ship: Explorer: Period from 510714 to 510715

Marsden squares:
217;2 5 stationsRoscop Parameters
H09/H10 (T) 5 H09/H10 (S) 5
H21 3 H22 3

Ship: Scotia: Period from 510816 to 510816

Marsden squares:
217;2 2 stationsRoscop Parameters
H09/H10 (T) 2 H09/H10 (S) 2
H21 1 H22 1

Ship: Scotia: Period from 510920 to 510920

Marsden squares:
217;2 6 stationsRoscop Parameters
H09/H10 (T) 6 H09/H10 (S) 6
H21 3 H22 3

1952

Ship: Scotia: Period from 520313 to 520314

Marsden squares:
217;2 6 stations

Roscop Parameters

H09/H10 (T)	6	H09/H10 (S)	6
H21	3	H22	3

Ship: Scotia: Period from 520511 to 520511Marsden squares:
217;2 5 stations

Roscop Parameters

H09/H10 (T)	5	H09/H10 (S)	5
H21	2	H22	2

Ship: Scotia: Period from 520706 to 520707Marsden squares:
217;2 6 stations

Roscop Parameters

H09/H10 (T)	6	H09/H10 (S)	6
H21	3	H22	3

Ship: Ernest Holt: Period from 521011 to 521011Marsden squares:
217;2 1 stations

Roscop Parameters

H09/H10 (T) 1

 Ship: Scotia: Period from 521109 to 521109

Marsden squares:
 217;2 2 stations

Roscop Parameters			
H09/H10 (T)	2	H09/H10 (S)	2
H21	1	H22	1

1953

Ship: Scotia: Period from 530509 to 530509

Marsden squares:
 217;2 7 stations

Roscop Parameters			
H09/H10 (T)	7	H09/H10 (S)	7
H21	2	H22	4

 Ship: Dana: Period from 530614 to 530614

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1
H22	1		

 Ship: Scotia: Period from 530814 to 530814

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4

 Ship: Scotia: Period from 531120 to 531120

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	1	H22	4

1954

Ship: Scotia: Period from 540612 to 540612

Marsden squares:
 217;2 5 stations

Roscop Parameters			
H09/H10 (T)	5	H09/H10 (S)	5
H21	5	H22	5

 Ship: Scotia: Period from 540709 to 540709

Marsden squares:
 217;2 6 stations

Roscop Parameters			
H09/H10 (T)	6	H09/H10 (S)	6
H21	6	H22	6

 Ship: Scotia: Period from 541015 to 541015

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1
H21	1	H22	1

 1955

Ship: Scotia: Period from 550424 to 550424

Marsden squares:
 217;2 5 stations

Roscop Parameters			
H09/H10 (T)	5	H09/H10 (S)	5
H21	5	H22	5

 Ship: Anton Dohrn: Period from 550530 to 550530

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1

 Ship: Scotia: Period from 550702 to 550706

Marsden squares:
 217;2 5 stations

Roscop Parameters			
H09/H10 (T)	5	H09/H10 (S)	5
H21	1	H22	1

 Ship: Scotia: Period from 550901 to 550901

Marsden squares:
 217;2 5 stations

Roscop Parameters			
H09/H10 (T)	5	H09/H10 (S)	5
H21	4	H22	4

 Ship: Anton Dohrn: Period from 551016 to 551016

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1

 Ship: Scotia: Period from 551104 to 551105

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	2	H22	2

1956

Ship: Scotia: Period from 560719 to 560719

Marsden squares:
217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
H21	3	H22	3

Ship: Explorer: Period from 560824 to 560824Marsden squares:
217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
H21	2	H22	1

Ship: Explorer: Period from 561111 to 561112Marsden squares:
217;2 5 stations

Roscop Parameters

H09/H10 (T)	5	H09/H10 (S)	5
H21	3	H22	3

1957

Ship: Scotia: Period from 570221 to 570222

Marsden squares:
217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
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Ship: Dana: Period from 570612 to 570613Marsden squares:
217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
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Ship: Scotia: Period from 570614 to 570618Marsden squares:
217;2 6 stations

Roscop Parameters

H09/H10 (T)	6	H09/H10 (S)	6
H21	3	H22	3

Ship: Scotia: Period from 570905 to 570906Marsden squares:
217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
H21	2	H22	2

 Ship: Explorer: Period from 571130 to 571201

Marsden squares:
 217;2 6 stations

Roscop Parameters
 H09/H10 (T) 6 H09/H10 (S) 6
 H21 3 H22 2

1958

Ship: Explorer: Period from 580319 to 580321

Marsden squares:
 217;2 6 stations

Roscop Parameters
 H09/H10 (T) 6 H09/H10 (S) 6
 H21 6 H22 3

 Ship: Georgi Sedov: Period from 580407 to 580407

Marsden squares:
 217;2 1 stations

Roscop Parameters
 H09/H10 (T) 1 H09/H10 (S) 1
 H21 1 H28 1

 Ship: Scotia: Period from 580603 to 580604

Marsden squares:
 217;2 6 stations

Roscop Parameters
 H09/H10 (T) 6 H09/H10 (S) 6
 H21 5 H22 5

 Ship: Explorer: Period from 580922 to 580923

Marsden squares:
 217;2 6 stations

Roscop Parameters
 H09/H10 (T) 6 H09/H10 (S) 6
 H21 6 H22 3

 Ship: Georgi Sedov: Period from 581007 to 581007

Marsden squares:
 217;2 1 stations

Roscop Parameters
 H09/H10 (T) 1 H09/H10 (S) 1
 H21 1

1959

Ship: Anton Dohrn: Period from 590506 to 590506

Marsden squares:
 217;2 3 stations

Roscop Parameters
 H09/H10 (T) 3 H09/H10 (S) 3

 Ship: Explorer: Period from 590511 to 590511

Marsden squares:
 217;2 5 stations

Roscop Parameters			
H09/H10 (T)	5	H09/H10 (S)	5
H21	5	H22	5

 Ship: Dana: Period from 590703 to 590704

Marsden squares:
 217;2 3 stations

Roscop Parameters			
H09/H10 (T)	3	H09/H10 (S)	3
H21	3	H22	3

 Ship: Explorer: Period from 590715 to 590715

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	4	H22	2

 Ship: Explorer: Period from 591005 to 591005

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	4	H22	2

1960

Ship: Explorer: Period from 600113 to 600114

Marsden squares:
 217;2 8 stations

Roscop Parameters			
H09/H10 (T)	8	H09/H10 (S)	8
H21	5	H22	5
H24	1		

 Ship: Explorer: Period from 600531 to 600617

Marsden squares:
 217;2 35 stations

Roscop Parameters			
H09/H10 (T)	35	H09/H10 (S)	35
H21	3	H22	3
H26	12	H24	1

 Ship: Explorer: Period from 600703 to 600703

Marsden squares:
 217;2 5 stations

Roscop Parameters			
H09/H10 (T)	5	H09/H10 (S)	5
H21	5	H22	5
H26	5	H24	1

 Ship: Explorer: Period from 600713 to 600713

Marsden squares:
 217;2 3 stations

Roscop Parameters			
H09/H10 (T)	3	H09/H10 (S)	3

 Ship: Explorer: Period from 600923 to 600923

Marsden squares:
 217;2 5 stations

Roscop Parameters			
H09/H10 (T)	5	H09/H10 (S)	5
H21	2	H22	2
H24	1		

 Ship: Explorer: Period from 601011 to 601011

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1
H21	1		

 Ship: Explorer: Period from 601018 to 601019

Marsden squares:
 217;2 2 stations

Roscop Parameters			
H09/H10 (T)	2	H09/H10 (S)	2

1961

Ship: Anton Dohrn: Period from 610210 to 610210

Marsden squares:
 217;2 3 stations

Roscop Parameters			
H09/H10 (T)	3	H09/H10 (S)	3
H21	3		

 Ship: Explorer: Period from 610806 to 610807

Marsden squares:
 217;2 5 stations

Roscop Parameters

H09/H10 (T)	5	H09/H10 (S)	5
H21	1	H22	2
H26	2	H24	2

 Ship: Dana: Period from 610821 to 610821

Marsden squares:
 217;2 2 stations

Roscop Parameters

H09/H10 (T) 2

 Ship: Explorer: Period from 611001 to 611001

Marsden squares:
 217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
H21	1	H22	1
H26	1	H24	1

 Ship: Ernest Holt: Period from 611204 to 611205

Marsden squares:
 217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
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1962

Ship: Ernest Holt: Period from 620331 to 620331

Marsden squares:
 217;2 1 stations

Roscop Parameters

H09/H10 (T)	1	H09/H10 (S)	1
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 Ship: Ernest Holt: Period from 620424 to 620424

Marsden squares:
 217;2 1 stations

Roscop Parameters

H09/H10 (T)	1	H09/H10 (S)	1
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 Ship: Ernest Holt: Period from 620617 to 620617

Marsden squares:
 217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	1
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 Ship: Explorer: Period from 620630 to 620630

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	1	H22	1
H26	1	H24	1

 Ship: Explorer: Period from 621013 to 621013

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	1	H22	1
H26	1	H24	1

 Ship: Ernest Holt: Period from 621020 to 621020

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1

 Ship: Ernest Holt: Period from 621110 to 621110

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1

1963

Ship: Clione: Period from 630507 to 630507

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4

 Ship: Explorer: Period from 630603 to 630603

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1

 Ship: Explorer: Period from 630723 to 630724

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	1	H22	1
H26	1	H24	1
B02	3		

 Ship: Explorer: Period from 630908 to 630909

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	1	H22	1
H26	1	H24	1
B02	3		

 Ship: Ernest Holt: Period from 631118 to 631118

Marsden squares:
 217;2 3 stations

Roscop Parameters			
H09/H10 (T)	3	H09/H10 (S)	3

 Ship: Explorer: Period from 631207 to 631207

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	1	H22	1
H26	1	H24	1

1964

Ship: Ernest Holt: Period from 640202 to 640202

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	1		

 Ship: Explorer: Period from 640601 to 640601

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	1	H22	1
H26	1	H24	1

 Ship: Helland Hansen: Period from 640723 to 640724

Marsden squares:
 217;2 15 stations

Roscop Parameters			
H09/H10 (T)	15	H09/H10 (S)	15

 Ship: Helland Hansen: Period from 640809 to 640809

Marsden squares:
 217;2 10 stations

Roscop Parameters			
H09/H10 (T)	10	H09/H10 (S)	10

 Ship: Explorer: Period from 641011 to 641011

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4
H21	1	H22	1
H26	1	H24	1

1965

Ship: Ernest Holt: Period from 650204 to 650204

Marsden squares:
 217;2 4 stations

Roscop Parameters			
H09/H10 (T)	4	H09/H10 (S)	4

 Ship: Explorer: Period from 650524 to 650606

Marsden squares:
 217;2 12 stations

Roscop Parameters			
H09/H10 (T)	12	H09/H10 (S)	12
H21	1	H22	1
H26	1	H24	1

 Ship: Helland Hansen: Period from 650706 to 650708

Marsden squares:
 217;2 20 stations

Roscop Parameters			
H09/H10 (T)	20	H09/H10 (S)	20

 Ship: Ernest Holt: Period from 650607 to 650616

Marsden squares:
 217;2 17 stations

Roscop Parameters			
H09/H10 (T)	17	H09/H10 (S)	17

 Ship: 58 HH: Period from 650612 to 650618

Marsden squares:
 217;2 46 stations

Roscop Parameters			
H09/H10 (T)	46	H09/H10 (S)	46

 Ship: Explorer: Period from 651112 to 651113

Marsden squares:
 217;2 6 stations

Roscop Parameters			
H09/H10 (T)	6	H09/H10 (S)	6
H21	1	H22	1
H26	1	H24	1

 Ship: Hecla: Period from 651126 to 651126

Marsden squares:
 217;2 6 stations

Roscop Parameters
 H09/H10 (T) 6 H09/H10 (S) 6

1966

Ship: Explorer: Period from 660503 to 660504

Marsden squares:
 217;2 5 stations

Roscop Parameters
 H09/H10 (T) 5 H09/H10 (S) 5
 H21 1 H22 1
 H26 1 H24 1
 H76 1

1967

Ship: Dana: Period from 670418 to 670418

Marsden squares:
 217;2 2 stations

Roscop Parameters
 H09/H10 (T) 2 H09/H10 (S) 2
 H26 2

1968

Ship: Explorer: Period from 681001 to 681001

Marsden squares:
 217;2 4 stations

Roscop Parameters
 H09/H10 (T) 4 H09/H10 (S) 4
 H22 1 H26 1
 H24 1

1969

Ship: Explorer: Period from 690622 to 690622

Marsden squares:
 217;2 4 stations

Roscop Parameters
 H09/H10 (T) 4 H09/H10 (S) 4
 H21 1 H22 1
 H26 1 H24 1

 Ship: Professor Vize: Period from 690917 to 690918

Marsden squares:
 217;2 5 stations

Roscop Parameters
 H09/H10 (T) 5 H09/H10 (S) 5
 H21 3 H22 3
 H28 3

1970

Ship: Explorer: Period from 700619 to 700620

Marsden squares:
217;2 8 stations

Roscop Parameters

H09/H10 (T)	8	H09/H10 (S)	8
H21	1	H22	1
H26	1	H24	1

1971

Ship: Cirolana: Period from 710611 to 710621

Marsden squares:
217;2 62 stations

Roscop Parameters

H09/H10 (T)	62	H09/H10 (S)	61
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Ship: Professor Zubov: Period from 710717 to 710717Marsden squares:
217;2 1 stations

Roscop Parameters

H09/H10 (T)	1	H09/H10 (S)	1
H21	1	H22	1

1972

Ship: Cirolana: Period from 720701 to 720711

Marsden squares:
217;2 25 stations

Roscop Parameters

H09/H10 (T)	25	H09/H10 (S)	25
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1973

Ship: G.O Sars: Period from 730316 to 730317

Marsden squares:
217;2 3 stations

Roscop Parameters

H09/H10 (T)	3	H09/H10 (S)	3
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Ship: Cirolana: Period from 730701 to 730711Marsden squares:
217;2 24 stations

Roscop Parameters

H09/H10 (T)	24	H09/H10 (S)	24
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 Ship: Scotia: Period from 730710 to 730711

Marsden squares:
 217;2 6 stations

Roscop Parameters			
H09/H10 (T)	6	H09/H10 (S)	6
H22	6	H26	6
H24	6	H75	6
B02	6		

 Ship: Shackleton: Period from 730824 to 730829

Marsden squares:
 217;2 22 stations

Roscop Parameters			
H09/H10 (T)	22	H09/H10 (S)	22

 Ship: Challenger: Period from 730824 to 730912

Marsden squares:
 217;2 55 stations

Roscop Parameters			
H09/H10 (T)	52	H09/H10 (S)	53
H21	24	H22	9
H26	29	H24	29
B02	13		

 Ship: Boris Davidov: Period from 730906 to 730906

Marsden squares:
 217;2 3 stations

Roscop Parameters			
H09/H10 (T)	3	H09/H10 (S)	3
H21	2	H22	2
H26	2		

 Ship: Cirolana: Period from 731001 to 731003

Marsden squares:
 217;2 6 stations

Roscop Parameters			
H09/H10 (T)	6	H09/H10 (S)	6

1974

Ship: Professor Zubov: Period from 740410 to 740410

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1
H21	1	H22	1
H28	1		

 Ship: Walther Herwing: Period from 740511 to 740512

Marsden squares:
 217;2 3 stations

Roscop Parameters
 H09/H10 (T) 3 H09/H10 (S) 3

 Ship: Scotia: Period from 740603 to 740604

Marsden squares:
 217;2 10 stations

Roscop Parameters
 H09/H10 (T) 10 H09/H10 (S) 10

 Ship: Cirolana: Period from 740618 to 740618

Marsden squares:
 217;2 1 stations

Roscop Parameters
 H09/H10 (T) 1 H09/H10 (S) 1

 Ship: Cirolana: Period from 740706 to 740714

Marsden squares:
 217;2 21 stations

Roscop Parameters
 H09/H10 (T) 21 H09/H10 (S) 21

1975
 Ship: Cirolana: Period from 750611 to 750619

Marsden squares:
 217;2 23 stations

Roscop Parameters
 H09/H10 (T) 23 H09/H10 (S) 23

1976
 Ship: Cirolana: Period from 760630 to 760708

Marsden squares:
 217;2 25 stations

Roscop Parameters
 H09/H10 (T) 25 H09/H10 (S) 25

 Ship: Cirolana: Period from 761022 to 761022

Marsden squares:
 217;2 1 stations

Roscop Parameters
 H09/H10 (T) 1 H09/H10 (S) 1
 H21 1

1977

Ship: Scotia: Period from 771107 to 771107

Marsden squares:
217;2 4 stations

Roscop Parameters

H09/H10 (T) 4 H09/H10 (S) 4
-----**1978**

Ship: Scotia: Period from 780904 to 780905

Marsden squares:
217;2 5 stations

Roscop Parameters

H09/H10 (T) 5 H09/H10 (S) 5
H21 2 H24 5
B02 5
-----**1979**

Ship: Challenger: Period from 790513 to 790513

Marsden squares:
217;2 3 stations

Roscop Parameters

H09/H10 (T) 3 H09/H10 (S) 3

Ship: Shackleton: Period from 790623 to 790623

Marsden squares:
217;2 1 stations

Roscop Parameters

H09/H10 (T) 1 H09/H10 (S) 1
-----**1980**

Ship: G.O Sars: Period from 800427 to 800427

Marsden squares:
217;2 2 stations

Roscop Parameters

H09/H10 (T) 2 H09/H10 (S) 2

Ship: G.O Sars: Period from 800506 to 800507

Marsden squares:
217;2 3 stations

Roscop Parameters

H09/H10 (T) 3 H09/H10 (S) 3

Ship: Scotia: Period from 800517 to 800517

Marsden squares:
217;2 1 stations

Roscop Parameters

H09/H10 (T) 1 H09/H10 (S) 1

 Ship: Bjarni Saemundsson: Period from 800625 to 800625

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1
H21	1	H22	1
H26	1	H24	1

 Ship: Scotia: Period from 800729 to 800806

Marsden squares:
 217;2 26 stations

Roscop Parameters			
H09/H10 (T)	26	H09/H10 (S)	26
H21	1	H22	9
H26	9	H24	9
B02	1		

 Ship: Scotia: Period from 801114 to 801118

Marsden squares:
 217;2 20 stations

Roscop Parameters			
H09/H10 (T)	20	H09/H10 (S)	20

 Ship: Scotia: Period from 801128 to 801129

Marsden squares:
 217;2 9 stations

Roscop Parameters			
H09/H10 (T)	9	H09/H10 (S)	9

1981

Ship: G.O Sars: Period from 810317 to 810317

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1

 Ship: Michael Sars: Period from 810410 to 810410

Marsden squares:
 217;2 1 stations

Roscop Parameters			
H09/H10 (T)	1	H09/H10 (S)	1

 Ship: Scotia: Period from 811121 to 811122

Marsden squares:
 217;2 7 stations

Roscop Parameters			
H09/H10 (T)	7	H09/H10 (S)	7
H22	4	H26	4
H24	4	H76	4

1982

Ship: Dana: Period from 820508 to 820508

Marsden squares:
217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
H22	4	H26	4
H24	3	H25	3

1983

Ship: Walther Herwing: Period from 830322 to 830325

Marsden squares:
217;2 11 stations

Roscop Parameters

H09/H10 (T)	11	H09/H10 (S)	11
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Ship: Scotia: Period from 830416 to 830417Marsden squares:
217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
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Ship: Eldjarn: Period from 830424 to 830424Marsden squares:
217;2 2 stations

Roscop Parameters

H09/H10 (T)	2	H09/H10 (S)	2
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Ship: Scotia: Period from 830528 to 830528Marsden squares:
217;2 5 stations

Roscop Parameters

H09/H10 (T)	5	H09/H10 (S)	5
H22	5	H26	5
H24	5	B02	5

Ship: Tyro: Period from 830620 to 830624Marsden squares:
217;2 22 stations

Roscop Parameters

H09/H10 (T)	22	H09/H10 (S)	22
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Ship: Explorer: Period from 830819 to 830819Marsden squares:
217;2 4 stations

Roscop Parameters

H09/H10 (T)	4	H09/H10 (S)	4
H26	4		

 Ship: Scotia: Period from 831217 to 831217

Marsden squares:
 217;2 2 stations

Roscop Parameters
 H09/H10 (T) 2 H09/H10 (S) 2

1984

Ship: G.O Sars: Period from 840329 to 840329

Marsden squares:
 217;2 1 stations

Roscop Parameters
 H09/H10 (T) 1 H09/H10 (S) 1

Ship: Bjarni Saemundsson: Period from 840609 to 840610

Marsden squares:
 217;2 2 stations

Roscop Parameters
 H09/H10 (T) 2 H09/H10 (S) 2
 H21 2 H22 2
 H26 2 H24 2

Ship: Frederick Russell: Period from 840801 to 840801

Marsden squares:
 217;2 1 stations

Roscop Parameters
 H09/H10 (T) 1 H09/H10 (S) 1

1986

Ship: Tydeman: Period from 860611 to 860612

Marsden squares:
 217;2 8 stations

Roscop Parameters
 H09/H10 (T) 8 H09/H10 (S) 8
 H21 8 H26 8
 B02 6

1987

Ship: Challenger: Period from 870512 to 870512

Marsden squares:
 217;2 10 stations

Roscop Parameters
 H09/H10 (T) 10 H09/H10 (S) 10

Ship: Challenger: Period from 870526 to 870601

Marsden squares:
 217;2 15 stations

Roscop Parameters
 H09/H10 (T) 15 H09/H10 (S) 15

 Ship: Haakon Mosby: Period from 870701 to 870704

Marsden squares:
 217;2 43 stations

Roscop Parameters
 H09/H10 (T) 43 H09/H10 (S) 43

 Ship: Magnus Heinason: Period from 870710 to 870711

Marsden squares:
 217;2 22 stations

Roscop Parameters
 H09/H10 (T) 22 H09/H10 (S) 22

1988

Ship: Haakon Mosby: Period from 880505 to 880505

Marsden squares:
 217;2 4 stations

Roscop Parameters
 H09/H10 (T) 4 H09/H10 (S) 4

 Ship: Haakon Mosby: Period from 880513 to 880514

Marsden squares:
 217;2 6 stations

Roscop Parameters
 H09/H10 (T) 6 H09/H10 (S) 6

 Ship: Magnus Heinason: Period from 880523 to 880523

Marsden squares:
 217;2 3 stations

Roscop Parameters
 H09/H10 (T) 3 H09/H10 (S) 3

 Ship: Gauss: Period from 880710 to 880710

Marsden squares:
 217;2 1 stations

Roscop Parameters
 H09/H10 (T) 1 H09/H10 (S) 1
 H21 1 H26 1

 Ship: Eldjarn: Period from 880724 to 880724

Marsden squares:
 217;2 2 stations

Roscop Parameters
 H09/H10 (T) 2 H09/H10 (S) 2

1989

Ship: Haakon Mosby: Period from 890529 to 890529

Marsden squares:
217;2 9 stations

Roscop Parameters

H09/H10 (T) 9 H09/H10 (S) 9
-----**1993**

Ship: Professor Marti: Period from 930429 to 930429

Marsden squares:
217;2 1 stations

Roscop Parameters

H09/H10 (T) 1 H09/H10 (S) 1
H21 1 H22 1
