GENERAL MARINE INFORMATION FOR LINE NO. USGS-1A 1001

FORM GSI — CAL - 80 - 1

CLIENT	PROSPECT NAME	AREA	VESSEL	PARTY NO.	SYSTEM OPERATOR	DATE
USGS	G of Maine	G of Maine	M/V Polar Prince	2451	T. Knee B. Pinsent	Nov 19 84

LINE	FIRST SP	LAST SP	FIRST REC	LAST REC	CABLE TYPE	LENGTH	GROUP INTERVAL	NO. GROUPS
USGS-1A 1001	245	4540	245	4534	120 T PVC	3000 M	25 M	120

SHOT INTERVAL	FOLD	GP NO. NEAREST BOAT	OFFSET: CENTRE OF GUN ARRAY TO CENTRE OF NEAR GROUP	WATER BREAKS CHANNELS	AUXILIARY CHANNELS
50 M	30	120	270 M	AUX2 (AUX2 ON TAPE)	

TAPE NUMBERS: FIRST 671530 LAST 673581

AIRGUN ARRAY

ARRAY	DEPTH OF SOURCE	FIRING DELAY
6320 L	7m ± 1 M	512 M SEC

ARRAY CONFIGURATION

LINE BEARING 341°/187 (316.7)

N / W / E / S

RECORDING (✓)
- [✓] 1 SYSTEM
- [ ] 2 SYSTEMS
- [✓] ODDS & EVENS
- [ ] NEARS & FARS

POSITIONING: P = PRIMARY S = SECONDARY
- [ ] CMS-II/DOPPLER
- [ ] CMS-II/LORANC
- [S] CMS-II/ARGO
- [ ] ARGO
- [ ] SYLEDIS
- [P] OTHER SPECIFY SPOT

USE SPACE BELOW FOR BOAT CIRCLE, OVERLAPS AND OTHER RELEVANT INFORMATION. (USE DIAGRAMS WHENEVER POSSIBLE)

[✓] DFS V [ ] _____ HEADER NO. 690

FORMAT SEG D (PE) [✓] GAPPED [ ] UNGAPPED

NO. BYTES IN: HEADER 276 SCAN 314 REC ID 0002

GAIN CONSTANT _____ DB FINAL GAIN _____ DB

SAMPLE RATE 4 M SEC RECORD LENGTH 15 SEC

FILTERS: LOW CUT — HZ — DB/OCT
HIGH CUT 90 HZ 72 DB/OCT

DELAY START RECORD MODULE _____ SECOND

POLARITY: PRESSURE INCREASE ON PHONE [ ] +ve [✓] -ve NUMBERS ON TAPE
[✓] DOWNBREAK [ ] UPBREAK ON MONITOR DISPLAY

PACKING DENSITY: [✓] 1600 [ ] 6250 [ ] _____

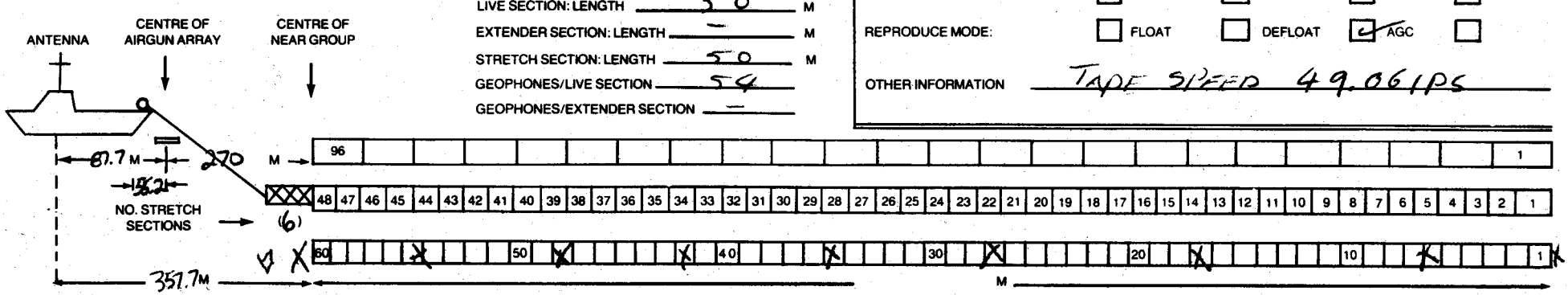
MONITOR TYPE: [✓] R.A.W. [ ] NOT R.A.W.

RECORD GAIN MODE: [✓] IFP [ ] INIT. [ ] MAN [ ] OPER

REPRODUCE MODE: [ ] FLOAT [ ] DEFLOAT [✓] AGC [ ]

OTHER INFORMATION TAPE SPEED 49.06IPS

LIVE SECTION: LENGTH 50 M
EXTENDER SECTION: LENGTH — M
STRETCH SECTION: LENGTH 50 M
GEOPHONES/LIVE SECTION 54
GEOPHONES/EXTENDER SECTION —



STRETCH SECTION X DEPTH CONTROLLER AND TRANSDUCER ◇ STREAMER TRACKING SENSOR

MARINE RECORDER FIELD DATA — DFS V

VESSEL	PARTY NO.	DATE
POLAR PRINCE	2451	19/11/89
CLIENT U.S.G.S.	AREA G OF MAINE	LINE # 1A

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SHOT-POINT NO.	REC. NO.	TAPE NUMBER	TIME GMT	WD M	DIST. GUN CENT. TO		STREAMER DEPTH M/FT BOAT ↓					↓ TAIL	REMARKS
					9	8	7	6	5	4	3	2	1
—	244	671530											BOL NOISE STRIP
245	245		0230	43	14	14	13	14	14	15	15	15	14 BOL
282	282				11	12	12	14	15	14	14	15	15 FEATHER L 8.0
294	294												EOT
295	295	671531	0247	59.	12	12	12	13	13	14	14	14	14 BOT
344	344												PE (97)
345	345												EOT
346	346	671532	0305	72	12	12	11	13	13	14	13	13	13 BOT A/F #45 FA: 15
348	348												FEATHER L 15.7
395	395												EOT
396	396	671533	0324	93	12	13	12	12	14	13	13	13	13 BOT FEATHER L 14.6
439	439												A/F GUN # 45
445	445												EOT
446	446	671534	0341	143	13	14	14	15	15	14	13	13	13 BOT FEATHER L 10.6
454	454												AC/CAL
476	476												PE (98)
488	488												A/F #
495	495												EOT
496	496	671535	0358	171	14	13	12	13	13	13	12	12	12 BOT FEATHER L 11.1
514	514												AF G 56
529	529												NOISE STRIP
536	536												AF G 45
539	539												PE 91
549	549												EOT
550	550	671536	0419	187	13	13	12	13	12	12	11	12	12 BOT FA 11.1
568	568												AC/CAL
569	569												AC/CAL
589	589												AF Gun 45
602	602												EOT
603	603	671537	0439	197	12	13	12	13	13	13	14	14	13 FA 11.7 BOT
623	623												AF Gun 59.
646	646												PE 86
652	652												AF Gun. 45
655	655												AF Gun 45 EOT
656	656	671538	0459	208	14	13	12	12	12	12	13	13	12 FA 12.1 BOT

AF Gun 45

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MARINE RECORDER FIELD DATA — DFS V

VESSEL	PARTY NO.	DATE
MV Polar Prince	2451	19 11 84
CLIENT USGS	AREA Gulf of Maine	LINE 4 1A.

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SHOT-POINT NO.	REC. NO.	TAPE NUMBER	TIME GMT	WD M	DIST. GUN CENT. TO		STREAMER DEPTH M/FT BOAT ↓					↓ TAIL		REMARKS
					9	8	7	6	5	4	3	2	1	
657	657	671538												CP.
708	708													EOT
709	709	671539	0518	218	13	13	13	13	13	13	14	14	12	FA. 12.5 BOT
761	761													EOT
762	762	671540	0537	225	13	14	14	14	14	14	15	14	13	FA. 12.9 BOT
796	796													PE 96
814	814													EOT
815	815	671541	0556	227	13	14	13	13	13	12	13	13	12	FA 13.8 BOT
846	846													PE 91
854	854													AC/CAL
859	859													PE 99
867	867													EOT
868	868	671542	0614	225	14	14	14	14	14	13	14	14	13	FA 13.4 BOT
888	888													AC/CAL
913	913													NOISE FILE
921	921													EOT
922	922	671543	0632	221	14	15	15	19	22	21	20	21	23	BOT
967	967													PE 94
974	974													EOT
975	975	671544	0650	212	14	14	13	15	15	14	14	13	15	FA 11.2 BOT
1019	1019													PE 99
1027	1027													EOT
1028	1028	671545	0707	199	15	15	13	14	14	14	13	13	15	FA 12.0 BOT
1048	1048													PE 96
1078	1078													PE 98
1079	1079													EOT
1080	1080	671546	0724	191	14	14	14	14	15	14	14	14	15	FA 11.6 BOT
1108	1108													PE 99
1130	1130													AF Gun 73.
1131	1131													EOT
1132	1132	671547	0741	183	14	16	14	14	14	14	13	13	13	FA 10.3 BOT
1177	1177													PE 96
1182	1182													AC/CAL
1184	1184													EOT
1185	1185	671548	0758	189	14	16	14	16	16	15	13	14	14	FA 9.9 BOT

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MARINE RECORDER FIELD DATA — DFS V

VESSEL M/V Polar Prince | PARTY NO. 245 | DATE 19 11 84

CLIENT USGS | AREA G of Maine | LINE 1A

SHOT-POINT NO.	REC. NO.	TAPE NUMBER	TIME GMT	WD M	DIST. GUN CENT. TO		STREAMER DEPTH M/FT BOAT ↓						↓ TAIL	REMARKS
					9	8	7	6	5	4	3	2	1	
1186	1186	671548												GR.
1237	1237													GOT
1238	1238	671549.	0815	194	14	16	14	15	15	14	12	13	14	FA 9.0 BOT
1273	1273													PE 98
1290	1290													GOT
1291	1291	671550	0833	196	13	14	13	14	15	14	13	13	14	FA 10.0 BOT
1331	1331													PE 98
1342	1342													GOT
1343	1343	671551	0850	195	13	14	12	13	15	14	13	15	14	FA BOT
1344	-1													MSP
1345	1344													GR.
1370	1369													Ac/CAL
1383	1382													Ac/CAL
1392	1391													AF Gun 7
1396	1395													GOT
1397	1396	671552	0907	198	13	13	12	13	15	14	13	13	13	FA 6.2 BOT
1420	1419													AF Gun 7
1422	1421													AF Gun 7
1440	1439		0920	199	13	14	13	15	16	15	14	14	14	G.R. FA. 9.5
1447	1446													G.O.T.
1448	1447	671553	0922	197	13	14	13	15	16	15	14	14	14	B.O.T. F.A. 5.2.
1452	1451													P.E. (96)
1494	1493													P.E. (98)
1496	1495													P.E. (98)
1497	1496													BOT
1498	1497	671554	@9:38	199	14	16	15	15	16	15	13	14	13	BOT
1550	1549													GOT
1551	1550	671555	0954	203	13	15	15	14	14	14	12	13	13	FA 1.7 BOT
1559	1558													PE 99
1578	1577													AF Gun. 27
1583	1582													PE 91
1602	1601													GOT
1603	1602	671556	1011	202	16	17	16	16	15	14	12	14	14	FA 0.1 BOT
1620	1619													Ac/CAL
1640	1639													PE 93

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MARINE RECORDER FIELD DATA — DFS V

VESSEL	PARTY NO.	DATE
MV Polar Prince	2457	NOV 19 84
CLIENT USGS	AREA Gulf of Maine	LINE 1A

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SHOT-POINT NO.	REC. NO.	TAPE NUMBER	TIME GMT	WD M	DIST. GUN CENT. TO 9	8	STREAMER DEPTH M/FT BOAT ↓ 7	6	5	4	3	2	↓ TAIL 1	REMARKS
1641	1640	671556												CR
1655	1654													EOT
1656	1655	671557	1028	207	13	13	11	12	14	14	12	13	13	FA. 1.0 BOT
1675	1674													AF Gun 27
1684	1683													PE 97
1688	1687													AF Gun 59.
1700	1699													AF Gun 27
1702	1701													PE 98
1708	1707													EOT
1709	1708	671558	1046	207	14	14	13	14	15	14	13	14	14	FA 3.7 BOT
1730	1729													BAD RECORD
1731	1730	NOTE: GUN #27 FIRED DOWN. BAD SENSOR												A/F GUN #27
1732	1731	NOTE: GUN #27 FIRED DOWN. BAD SENSOR												A/F GUN #27
1741	1740	PQC = 6 db/SEC												P.E. (90)
1762	1761													BAD REC. EOT
1763	1762	671559	1105	209	14	14	12	12	13	14	12	13	13	FA 4.6 BOT
														↖ BAD REC
1764	1763													GOOD REC.
1807	1806													PE 94.
1811	1810													BAD RECORD
1812	1811	TRIP DELAY .8 SEC												GR
1814	1813													EOT
1815	1814	671560	1123	201	13	14	13	14	14	14	12	13	13	FA 3.7 BOT
1825	1824	PQC 7 db/SEC												GR
1843	1842													AC/cal noise file
1867	1866													EOT
1868	1867	671561	1142	192	14	14	12	13	14	14	13	14	14	FA 5.3 BOT
1919	1918													EOT
1920	1919	671562	1200	197	14	15	15	15	15	14	13	14	14	FA 4.4 BOT
1959	1958													PE 98
1972	1971													EOT
1973	1972	671563	1219	206	14	15	13	13	14	13	12	14	14	FA 2.8 BOT
2021	2020													PE 98
2024	2023													EOT
2025	2024	671564	1237	205	14	15	14	14	15	14	13	13	13	FA 2.6 BOT

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MARINE RECORDER FIELD DATA — DFS V

VESSEL	PARTY NO.	DATE
MV Polar Prince	2451	19 11 81
CLIENT USGS	AREA G of Maine	LINE 1A

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SHOT-POINT NO.	REC. NO.	TAPE NUMBER	TIME GMT	WD M	DIST. GUN CENT. TO 9	8	STREAMER DEPTH M/FT BOAT ♦ 7	6	5	4	3	2	♦ TAIL 1	REMARKS
2026	2025	671564												C.R.
2060	2059													Pc 91
2066	2065													Acl/cal noise strip
2077	2076													EOT
2078	2077	671565	1256	198	14	15	13	13	13	13	12	13	13	FA 3.6 BOT
2118	2117													Pc 92
2129	2128													EOT
2130	2129	671566	1315	212	14	15	14	14	15	14	13	13	13	FA 4.7 BOT
2182	2181													EOT
2183	2182	671567	1333	209	14	15	13	14	15	14	13	14	14	FA 6.3 BOT
2188	2187													Pc 98
2191	2190													Pc 98
2201	2200													Pc 98
2202	2201													EOT
2203	2202	671568	1341	208	13	15	14	14	15	14	12	13	13	FA 3.4 BOT
2219	2218													Pc 90
2254	2253													EOT
2255	2254	671569	1359	205	13	14	14	14	15	14	12	13	13	FA 2.9 BOT
2303	2302													Pc 99
2307	2306													Pc 98 EOT
2306	2305	671570	1416	201	13	14	13	14	15	14	12	13	13	FA 3.0 BOT
2331	2330													Acl/cal
2360	2359													EOT
2361	2360	671571	1434	195	13	14	13	13	14	14	12	13	13	FA 4.6 BOT
2393	2392													Pc 96
2405	2404													Pc 90
2413	2412													AF Gun 11 EOT
2414	2413	671572	1452	188	13	14	12	13	14	14	13	13	13	FA 4.9 BOT
2466	2465													EOT
2467	2466	671573	1511	177	12	13	12	13	14	14	13	13	13	FA 5.7 BOT
2511	2510													Pc 90
2519	2518													EOT
2520	2519	671574	1529	186	14	14	13	13	13	13	12	13	13	FA BOT
2543	2540													Acl/cal
2572	2571													EOT

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MARINE RECORDER FIELD DATA — DFS V

VESSEL	PARTY NO.	DATE
MV Polar Prince	2451	19 11 84
CLIENT USGS	AREA G of Maine	LINE 1A

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SHOT-POINT NO.	REC. NO.	TAPE NUMBER	TIME GMT	WD M	DIST. GUN CENT. TO 9	8	STREAMER DEPTH M/FT BOAT ♦ 7	6	5	4	3	2	♦ TAIL 1	REMARKS
2573	2572	671575	1547	178	13	14	12	13	14	14	13	13	13	FA 5.6 BOT
2586	2585													AF Gun 27
2619	2618													PE 98
2625	2624													EOT
2626	2625	671576	1604	179	14	15	13	14	14	14	12	13	13	FA 2.9 BOT
2676	2675													EOT
2677	2676	671577	1622	181	14	15	14	14	15	14	13	14	14	BOT FEATHER L 1.9
2717	2716													PE (98)
2726	2725													EOT
2727	2726	671578	1638	199	15	16	14	14	14	13	13	15	14	BOT FEATHER L -0.4
2729	2728													A/F GUN #10
2730	2729													A/F GUN #10
2756	2755													A/F GUN #50
2776	2775													EOT
2777	2776	671579	1654	174	16	16	14	15	14	14	13	13	13	BOT
2807	2806													PE (98)
2824	2823													PE (94)
2827	2826													EOT PE (94)
2828	2827	671580	1711	181	14	15	13	14	14	13	13	14	14	BOT FEATHER L 3.8
2878	2877													EOT
2879	2878	671581	1727	181	15	15	13	13	14	14	13	14	14	BOT FEATHER L 4.9
2928	2927													EOT
2929	2928	671582	1742	186	12	13	13	13	14	15	13	14	14	BOT FEATHER L 4.8
2978	2977													EOT
2979	2978	671583	1757	191	14	14	13	13	14	13	12	13	13	BOT FEATHER L 4.9
3000	2999													A/F GUN #35
3005	3004													AC/CAL
3029	3028													EOT
3030	3029	671584	1813	206	14	15	14	14	14	15	13	14	14	BOT FEATHER L 5.0
3066	3065													PE (97)
3079	3078													EOT
3080	3079	671585	1828	187	15	15	13	13	14	15	13	14	13	BOT FEATHER L 6.3
3085	3084													AC/CAL
3125	3124													PE (97)
3130	3129													EOT

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MARINE RECORDER FIELD DATA — DFS V

VESSEL	PARTY NO.	DATE
POLAR PRINCE	2451	19/11/84
CLIENT U.S.G.S	AREA GOFMAINIS	LINE 1A

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SHOT-POINT NO.	REC. NO.	TAPE NUMBER	TIME GMT	WD M	DIST. GUN CENT. TO 9	8	STREAMER DEPTH M/FT BOAT ↓ 7	6	5	4	3	2	↓ TAIL 1	REMARKS
3131	3130	671586	1844	189	14	16	15	15	15	14	13	14	13	BOT FEATHER L 9.1
3150	3149													A/F GUN #35
3177	3176													A/F GUN #35
3181	3180													EOT
3182	3181	671587	1900	189	14	14	13	13	13	13	13	14	14	BOT FEATHER L 8.1
3220	3219													A/F GUN #35
3224	3223													A/F GUN #35
3225	3224													A/F GUN #35
3227	3226													PE(97)
3231	3230													EOT
3232	3231	671588	1945	189	13	14	14	14	15	15	13	13	13	BOT FEATHER L 5.6
3282	3281													EOT
3283	3282	671589	1931	181	15	15	14	14	14	15	13	14	13	BOT FEATH L 6.0
3328	3327													PE(98)
3333	3332													EOT
3334	3333	671590	1947	175	13	15	14	14	15	15	14	14	13	BOT FEATH L 7.2
3383	3382													EOT
3384	3383	671591	2002	165	13	14	13	13	13	14	13	14	14	BOT PE(95) R-1-R-2
3385	3384													PE(94)
3386	3385													PE(97)
3390	3389													PE(98)
3392	3391													EOT
3393	3392	671592	2006	170	13	14	13	13	13	13	13	13	13	BOT
3434	3433													PE(98)
3442	3441													EOT
3443	3442	671593	2021	164	14	15	14	14	14	14	13	13	13	BOT FEATH L 9.8
3480	3479													ACKAL
3487	3486													PE(91) R-1, R-2
3493	3492													EOT
3494	3493	671594	2037	161	14	14	14	13	13	13	13	13	13	BOT FEATH L 4.8
3544	3543													EOT
3545	3544	671595	2052	165	13	14	13	13	14	14	13	14	13	BOT FEATH L 6.9
3592	3591													PE(98)
3594	3593													EOT
3595	3594	671596	2108	161	13	14	14	14	14	14	13	14	13	BOT

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MARINE RECORDER FIELD DATA — DFS V

VESSEL	PARTY NO.	DATE
POLAR PRINCE	2451	19/11/74
CLIENT U.S.G.S	AREA G.of F. MAINE	LINE 1A

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SHOT-POINT NO.	REC. NO.	TAPE NUMBER	TIME GMT	WD M	DIST. GUN CENT. TO		STREAMER DEPTH M/FT BOAT ↓						↓ TAIL	REMARKS
					9	8	7	6	5	4	3	2	1	
3644	3643	671596												EOT
3645	3644	671597	2124	168	14	15	14	14	13	14	13	13	13	BOT FEATH ∠11.7
3678	3677													PE(98) R-1, R-2
3694	3693													EOT
3695	3694	671598	2138	169	14	15	15	14	14	14	12	13	13	BOT FEATH ∠11.4
3748	3747													EOT
3749	3748	671599	2155	152	13	14	13	13	13	14	13	14	13	BOT FEATH ∠ 8.8°
3750	4													MISSED SP
3773	-1													MSP NAV
3774	3771													GOOD RECORD
3789	3786													PE (99) R-1, R-2
3798	3795													PE(99) R-1, R-2
3801	3798													EOT
3802	3799	671600	2211	140	14	16	14	15	15	14	13	14	13	BOT FEATH ∠ 7.7
3836	3833													A/F GUN #60
3852	3849	671600	2227											EOT
3853	3850	671601	2227	128	14	15	14	14	14	14	14	14	13	BOT FEATHER ∠ 7.7
3903	3899													EOT
3904	3901	673569	2243	107	15	16	14	14	14	14	13	14	13	BOT
3954	3951													EOT
3955	3952	673520	2259	109	16	16	14	14	14	14	13	13	13	BOT FEATHER ∠ 7.0
4005	4002													EOT
4006	4003	673571	2315	99	14	15	14	13	14	14	13	13	12	BOT FEATHER ∠ 7.7
4056	4053													EOT
4057	4054	673572	2332	122	13	14	13	13	14	14	14	14	13	BOT FEATH ∠ 9.2
4089	4086													A/F GUN #12
4099	4096													PE(92) R-1, R-2
4107	4104													EOT
4108	4105	673573	2349	114	14	15	13	14	15	14	14	13	12	BOT FEATHER ∠ 7.8
4112	4109													A/F GUN #59
4158	4155													EOT
4159	4156	673574	0005	109	14	16	15	15	14	14	12	13	13	BOT FEATHER ∠ 4.9
4168	-1													MSP NAV
4170	-1													MSP NAV
4172	-1													MSP NAV

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MARINE RECORDER FIELD DATA — DFS V

VESSEL	PARTY NO.	DATE
POLAR PRINCE	2451	20/11/84
CLIENT U.S.G.S	AREA GULF/MAINE	LINE 1A

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SHOT-POINT NO.	REC. NO.	TAPE NUMBER	TIME GMT	WD M	DIST. GUN CENT. TO TAIL		STREAMER DEPTH M/FT BOAT ↓					↓ TAIL		REMARKS
					9	8	7	6	5	4	3	2	1	
4211	4205													EOT
4212	4206	673575	0022	129	13	14	13	13	14	14	13	13	13	BOT FEATH 5.6
4262	4256													EOT
4263	4257	673576	0039	133	13	13	13	14	15	15	13	13	12	BOT FEATH L 4.3
4304	4298													PE(94)
4307	4301													PE(95)
4313	4307													EOT
4314	4308	673577	0055	139	13	15	14	14	14	14	13	13	12	BOT FEATH L 3.4
4363	4357													EOT
4364	4358	673578	01:12	141	14	14	13	13	13	13	12	13	13	BOT FEATH L 4.5
4398	4392													PE(92) R-1, R-2
4414	4408													EOT
4415	4409	673579	0128	144	13	13	12	13	13	14	13	14	13	BOT FEATH L 5.9
4465	4459													EOT
4466	4460	673580	0195	116	15	15	13	13	12	14	13	14	13	BOT FEATH L 7.8
4509	4503													PE(93)
4516	4510													EOT
4517	4511	673581	0202	87	14	15	14	14	14	14	13	14	13	BOT FEATH L 6.3
4540	4534		0210	101										EOL
	4535													EOL NOISE STRIP

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