

Book 2 FFS EXP43

25694 p. 9 HEAD COIL 1998

24192 p. 49 CARAPACE COIL BALAZS

4800 p. 73 GEOBAR

24194 p. 85 GEOBAR

2 of 2

645  
GEOBARS  
827  
825

8581

BALAZS

24192 Date : 07.10.98 14:34:04 LC : B IQ : 00  
Lat1 : 21.038N Lon1 : 156.919W  
159 142 197 106  
00 00

24192 Date : 07.10.98 18:04:12 LC : (1) IQ : 58  
Lat1 : 21.039N Lon1 : 156.950W  
162 05 197 106  
00 00

24192 Date : 07.10.98 18:03:50 LC : (1) IQ : 56  
Lat1 : 21.066N Lon1 : 156.971W  
162 05 197 106  
00 00

24192 Date : 07.10.98 19:44:17 LC : A IQ : 08  
Lat1 : 21.067N Lon1 : 156.968W  
159 173 197 106  
00 00

24192 Date : 08.10.98 06:08:25 LC : B IQ : 00  
Lat1 : 21.053N Lon1 : 156.786W  
162 757 101 201  
00 00

24192 Date : 08.10.98 16:53:37 LC : B IQ : 00  
Lat1 : 21.072N Lon1 : 157.063W  
160 314 294 72  
00 00

24192 Date : 08.10.98 17:44:29 LC : A IQ : 00  
Lat1 : 21.065N Lon1 : 157.016W  
160 25 294 72  
00 00

24192 Date : 08.10.98 18:34:20 LC : B IQ : 00  
Lat1 : 21.171N Lon1 : 156.706W  
161 167 358 72  
00 00

24192 Date : 08.10.98 19:36:56 LC : B IQ : 00  
Lat1 : 20.978N Lon1 : 155.863W  
162 150 294 72  
00 00

24192 Date : 09.10.98 05:35:55 LC : B IQ : 00  
Lat1 : 20.958N Lon1 : 156.773W  
160 2075 152 137  
00 00

xerox

> 24192 Date : 09.10.98 17:23:40 LC : A IQ : 00  
> Lat1 : 21.094N Lon1 : 156.949W  
> 156 153 463 45  
> 00 00

> 24192 Date : 09.10.98 18:08:52 LC : A IQ : 07  
> Lat1 : 21.040N Lon1 : 156.899W  
> 157 162 463 45  
> 00 00

CARAPACE  
(COIL)

&gt; 24192 Date : 10.10.98 01:31:29 LC : B IQ : 00

&gt; Lat1 : 21.069N Lon1 : 156.626W

&gt; 161 251 241 86

&gt; 00 02

24192 Date : 10.10.98 16:57:05 LC : B IQ : 00

Lat1 : 21.097N Lon1 : 156.782W

160 125 272 77

00 00

24192 Date : 10.10.98 17:47:57 LC : A IQ : 00

Lat1 : 21.103N Lon1 : 156.739W

161 35 272 105

01 20

24192 Date : 11.10.98 02:29:48 LC : 0 IQ : 58

Lat1 : 21.142N Lon1 : 156.674W

160 935 201 104

00 00

24192 Date : 11.10.98 13:53:08 LC : Z IQ : 10

Lat1 : 21.157N Lon1 : 156.971W

159 2165 870 24

00 00

24192 Date : 11.10.98 17:24:33 LC : 2 IQ : 60

Lat1 : 21.152N Lon1 : 156.703W

159 79 870 24

00 00

24192 Date : 11.10.98 18:55:11 LC : A IQ : 40

Lat1 : 21.137N Lon1 : 156.672W

163 66 870 24

00 00

24192 Date : 11.10.98 19:04:01 LC : 3 IQ : 67

Lat1 : 21.128N Lon1 : 156.660W

163 35 870 24

00 01

24192 Date : 12.10.98 01:04:59 LC : A IQ : 08

Lat1 : 21.032N Lon1 : 156.585W

162 123 2266 35016

00 00

24192 Date : 12.10.98 03:47:21 LC : A IQ : 08

Lat1 : 21.032N Lon1 : 156.587W

161 29 90 232

00 00

24192 Date : 13.10.98 15:55:30 LC : B IQ : 00

Lat1 : 20.908N Lon1 : 156.367W

159 1020 183 116

00 00

24192 Date : 13.10.98 16:37:21 LC : B IQ : 00

Lat1 : 20.951N Lon1 : 156.472W

159 32845 4351 8309

00 02

24192 Date : 14.10.98 00:42:17 LC : A IQ : 00

Lat1 : 20.912N Lon1 : 156.440W

160 1862 202 105

00 00

24192 Date : 14.10.98 02:25:27 LC : 0 IQ : 68  
 Lat1 : 20.912N Lon1 : 156.455W  
 160 2072 202 105  
 00 00

24192 Date : 14.10.98 03:02:35 LC : 0 IQ : 50  
 Lat1 : 20.918N Lon1 : 156.469W  
 161 1025 202 105  
 00 00

24192 Date : 14.10.98 07:12:02 LC : B IQ : 00  
 Lat1 : 20.918N Lon1 : 156.474W  
 160 1554 202 105  
 00 00

*removed 10/15/98*

24192 Date : 14.10.98 14:57:48 LC : B IQ : 00  
 Lat1 : 20.912N Lon1 : 156.439W  
 159 111 1233 17  
 00 00

24192 Date : 14.10.98 17:08:08 LC : B IQ : 00  
 Lat1 : 20.917N Lon1 : 156.431W  
 159 201 1233 17  
 00 00

24192 Date : 14.10.98 17:55:42 LC : B IQ : 00  
 Lat1 : 20.917N Lon1 : 156.423W  
 160 193 1233 17  
 00 00

24192 Date : 14.10.98 18:16:22 LC : A IQ : 00  
 Lat1 : 20.907N Lon1 : 156.432W  
 160 79 1233 17  
 00 00

24192 Date : 15.10.98 00:34:34 LC : B IQ : 00  
 Lat1 : 20.919N Lon1 : 156.443W  
 161 784 172 124  
 00 00

24192 Date : 15.10.98 04:19:56 LC : B IQ : 00  
 Lat1 : 20.934N Lon1 : 156.427W  
 160 180 172 124  
 00 00

24192 Date : 15.10.98 06:48:32 LC : B IQ : 00  
 Lat1 : 20.921N Lon1 : 156.382W  
 160 237 172 124  
 00 00

24192 Date : 15.10.98 07:17:11 LC : B IQ : 00  
 Lat1 : 20.905N Lon1 : 156.244W  
 160 448 172 124  
 00 00

24192 Date : 15.10.98 16:48:45 LC : A IQ : 00  
 Lat1 : 20.930N Lon1 : 156.372W  
 159 153 305 69  
 00 00

24192 Date : 16.10.98 00:20:25 LC : B IQ : 00  
 Lat1 : 20.936N Lon1 : 156.356W  
 159 749 421 50  
 00 00

(CAMPAC)  
COIL

24192 Date : 16.10.98 02:04:50 LC : B IQ : 00  
Lat1 : 20.913N Lon1 : 156.387W

160 395 421 50  
00 00

24192 Date : 16.10.98 03:59:09 LC : (1) IQ : 58  
Lat1 : 20.909N Lon1 : 156.449W

160 55 421 818  
02 00

24192 Date : 16.10.98 04:49:15 LC : B IQ : 00  
Lat1 : 20.894N Lon1 : 156.426W

160 130 421 50  
00 00

24192 Date : 16.10.98 06:27:29 LC : B IQ : 00  
Lat1 : 20.890N Lon1 : 156.446W

160 560 421 50  
00 00

24192 Date : 17.10.98 01:51:00 LC : (1) IQ : 60  
Lat1 : 20.890N Lon1 : 156.467W

160 254 700 30  
00 00

24192 Date : 17.10.98 03:37:29 LC : A IQ : 08  
Lat1 : 20.927N Lon1 : 156.475W

160 204 700 30  
00 00

24192 Date : 17.10.98 14:25:31 LC : A IQ : 00  
Lat1 : 20.906N Lon1 : 156.445W

158 169 241 88  
00 00

24192 Date : 17.10.98 16:51:14 LC : B IQ : 00  
Lat1 : 20.924N Lon1 : 156.461W

158 192 241 88  
00 00

24192 Date : 17.10.98 17:45:38 LC : B IQ : 00  
Lat1 : 20.914N Lon1 : 156.455W

158 80 241 88  
00 01

24192 Date : 18.10.98 01:43:06 LC : A IQ : 08  
Lat1 : 20.890N Lon1 : 156.278W

160 1576 329 64  
00 00

24192 Date : 18.10.98 15:38:25 LC : A IQ : 00  
Lat1 : 20.908N Lon1 : 156.611W

160 2307 1501 14  
00 00

24192 Date : 18.10.98 18:13:41 LC : B IQ : 00  
Lat1 : 20.891N Lon1 : 156.468W

159 79 1501 14  
00 00

24192 Date : 19.10.98 01:23:10 LC : B IQ : 00  
Lat1 : 20.801N Lon1 : 156.577W

160 1188 695 30  
00 00

24192 Date : 19.10.98 04:32:00 LC : 0 IQ : 50  
 Lat1 : 20.895N Lon1 : 156.453W  
 161 180 695 30  
 00 00

24192 Date : 19.10.98 05:23:30 LC : A IQ : 08  
 Lat1 : 20.870N Lon1 : 156.508W  
 161 67 695 30  
 00 00

24192 Date : 19.10.98 12:21:29 LC : A IQ : 08  
 Lat1 : 20.891N Lon1 : 156.451W  
 151 29 251 84  
 00 00

24192 Date : 19.10.98 15:20:12 LC : B IQ : 00  
 Lat1 : 20.905N Lon1 : 156.446W  
 159 124 251 84  
 00 00

24192 Date : 19.10.98 16:58:10 LC : B IQ : 00  
 Lat1 : 20.895N Lon1 : 156.481W  
 159 69 251 84  
 00 00

24192 Date : 20.10.98 01:19:07 LC : A IQ : 00  
 Lat1 : 20.911N Lon1 : 156.463W  
 160 1680 246 85  
 00 00

24192 Date : 20.10.98 17:31:31 LC : A IQ : 00  
 Lat1 : 20.534N Lon1 : 156.107W  
 160 1666 1611 13  
 00 00

24192 Date : 20.10.98 18:39:29 LC : A IQ : 00  
 Lat1 : 20.894N Lon1 : 156.373W  
 160 1962 1611 13  
 00 00

24192 Date : 21.10.98 01:10:18 LC : B IQ : 00  
 Lat1 : 21.172N Lon1 : 155.382W  
 161 1145 651 32  
 00 00

24192 Date : 21.10.98 04:32:53 LC : B IQ : 00  
 Lat1 : 20.923N Lon1 : 156.408W  
 161 934 19609 12902  
 03 13

24192 Date : 21.10.98 05:52:50 LC : B IQ : 00  
 Lat1 : 20.910N Lon1 : 156.386W  
 161 19 651 32  
 00 01

24192 Date : 21.10.98 16:16:08 LC : A IQ : 08  
 Lat1 : 20.879N Lon1 : 156.484W  
 161 08 305 69  
 00 01

24192 Date : 21.10.98 17:03:58 LC : A IQ : 07  
 Lat1 : 20.917N Lon1 : 156.480W  
 161 73 305 69  
 00 00

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1 CARAPACE  
COIL

24192 Date : 21.10.98 18:30:30 LC : A IQ : 08  
Lat1 : 20.901N Lon1 : 156.474W

162 167 305 69  
00 00

24192 Date : 21.10.98 18:42:59 LC : B IQ : 00  
Lat1 : 20.906N Lon1 : 156.478W

162 69 305 69  
00 00

24192 Date : 22.10.98 13:33:36 LC : B IQ : 00  
Lat1 : 20.903N Lon1 : 156.475W

162 346 312 67  
00 01

24192 Date : 22.10.98 15:54:17 LC : A IQ : 00  
Lat1 : 20.904N Lon1 : 156.479W

162 725 312 67  
00 00

24192 Date : 22.10.98 17:32:07 LC : B IQ : 00  
Lat1 : 20.924N Lon1 : 156.500W

161 869 312 67  
00 00

24192 Date : 23.10.98 05:33:51 LC : B IQ : 00  
Lat1 : 20.847N Lon1 : 156.346W

161 1005 339 62  
00 00

24192 Date : 23.10.98 07:12:22 LC : 0 IQ : 56  
Lat1 : 20.898N Lon1 : 156.495W

163 178 338 57359  
00 08

24192 Date : 23.10.98 17:10:59 LC : 1 IQ : 58  
Lat1 : 20.905N Lon1 : 156.480W

162 28 314 67  
00 00

24192 Date : 23.10.98 17:59:15 LC : A IQ : 08  
Lat1 : 20.906N Lon1 : 156.483W

163 103 314 67  
00 00

24192 Date : 24.10.98 02:16:46 LC : B IQ : 00  
Lat1 : 20.902N Lon1 : 156.498W

161 1026 263 79  
00 00

24192 Date : 24.10.98 06:59:19 LC : B IQ : 00  
Lat1 : 20.893N Lon1 : 156.481W

161 1386 263 79  
00 00

24192 Date : 24.10.98 13:03:38 LC : B IQ : 00  
Lat1 : 20.922N Lon1 : 156.391W

161 1338 1033 20  
00 00

24192 Date : 24.10.98 14:45:57 LC : B IQ : 00  
Lat1 : 20.924N Lon1 : 156.434W

161 141 1033 20  
00 00

24192 Date : 24.10.98 16:50:11 LC : (1) IQ : 50  
Lat1 : 20.898N Lon1 : 156.453W

161 101 1033 20  
00 00

24192 Date : 24.10.98 17:38:08 LC : (2) IQ : 68  
Lat1 : 20.900N Lon1 : 156.451W

161 176 1033 20  
00 00

24192 Date : 24.10.98 19:33:48 LC : A IQ : 08  
Lat1 : 20.897N Lon1 : 156.427W

162 53 1033 20  
00 00

24192 Date : 25.10.98 02:04:01 LC : B IQ : 00  
Lat1 : 20.902N Lon1 : 156.465W

161 930 162 129  
00 00

24192 Date : 25.10.98 03:59:58 LC : B IQ : 00  
Lat1 : 19.805N Lon1 : 156.312W

161 122 162 129  
00 00

24192 Date : 25.10.98 04:47:10 LC : (2) IQ : 68  
Lat1 : 20.899N Lon1 : 156.471W

165 22 162 129  
00 00

24192 Date : 25.10.98 06:28:39 LC : A IQ : 08  
Lat1 : 20.896N Lon1 : 156.441W

161 81 162 129  
00 00

24192 Date : 25.10.98 06:46:23 LC : 0 IQ : 58  
Lat1 : 20.897N Lon1 : 156.454W

161 96 162 129  
00 00

24192 Date : 25.10.98 12:52:56 LC : B IQ : 00  
Lat1 : 20.944N Lon1 : 156.530W

160 207 126 166  
00 00

24192 Date : 25.10.98 14:35:09 LC : B IQ : 00  
Lat1 : 20.946N Lon1 : 156.425W

160 179 126 166  
00 00

24192 Date : 25.10.98 16:26:55 LC : A IQ : 08  
Lat1 : 20.928N Lon1 : 156.390W

160 52 126 166  
00 00

24192 Date : 25.10.98 17:16:52 LC : A IQ : 00  
Lat1 : 20.898N Lon1 : 156.456W

160 179 126 166  
00 00

24192 Date : 25.10.98 19:16:16 LC : B IQ : 00  
Lat1 : 20.903N Lon1 : 156.315W

161 117 126 166  
00 00



24192 Date : 26.10.98 03:38:21 LC : A IQ : 08  
Lat1 : 20.904N Lon1 : 156.468W

161 56 124 169

00 00

24192 Date : 26.10.98 04:23:56 LC : B IQ : 00

Lat1 : 20.910N Lon1 : 156.457W

162 104 124 169

01 10

24192 Date : 26.10.98 06:09:26 LC : B IQ : 00

Lat1 : 20.883N Lon1 : 156.397W

161 493 124 169

00 00

24192 Date : 26.10.98 12:44:31 LC : A IQ : 08

Lat1 : 20.906N Lon1 : 156.481W

160 209 180 115

00 00

24192 Date : 26.10.98 16:05:15 LC : 3 IQ : 68

Lat1 : 20.904N Lon1 : 156.487W

160 57 180 115

00 00

24192 Date : 26.10.98 16:52:54 LC : A IQ : 08

Lat1 : 20.902N Lon1 : 156.487W

160 77 180 115

00 00

24192 Date : 26.10.98 18:32:55 LC : B IQ : 00

Lat1 : 20.911N Lon1 : 156.462W

160 279 180 115

00 00

24192 Date : 27.10.98 05:40:41 LC : B IQ : 00

Lat1 : 21.058N Lon1 : 155.929W Lat2 : 20.796N Lon2 : 157.180W

161 1610 224 93

00 00

24192 Date : 27.10.98 17:24:17 LC : 2 IQ : 50

Lat1 : 20.902N Lon1 : 156.466W

159 41 1484 14

00 00

24192 Date : 27.10.98 18:52:16 LC : B IQ : 00

Lat1 : 20.913N Lon1 : 156.476W

159 196 1484 14

00 00

24192 Date : 27.10.98 23:53:25 LC : B IQ : 00

Lat1 : 20.906N Lon1 : 156.481W

160 1499 309 67

00 00

24192 Date : 28.10.98 14:06:57 LC : B IQ : 00

Lat1 : 20.849N Lon1 : 156.499W

160 6878 38580 46501

00 45

24192 Date : 28.10.98 23:37:36 LC : A IQ : 00

Lat1 : 20.906N Lon1 : 156.489W

162 133 546 38

00 00

CARPAES  
CORZAO  
1103

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24192 Date : 01.11.98 00:45:09 LC : 2 IQ : 68  
Lat1 : 20.912N Lon1 : 156.480W  
161 41 174 120  
00 00

24192 Date : 01.11.98 02:27:16 LC : B IQ : 00  
Lat1 : 20.897N Lon1 : 156.485W

24192 Date : 01.11.98 03:05:05 LC : B IQ : 00  
Lat1 : 20.894N Lon1 : 156.481W  
161 116 174 120  
00 00

24192 Date : 29.10.98 04:54:59 LC : B IQ : 00  
Lat1 : 20.970N Lon1 : 156.629W  
161 905 546 38  
00 00  
24192 Date : 29.10.98 19:08:19 LC : A IQ : 00  
Lat1 : 20.934N Lon1 : 156.508W  
160 884 130 162  
00 00  
24192 Date : 30.10.98 04:34:56 LC : B IQ : 00  
Lat1 : 20.905N Lon1 : 156.529W  
161 968 576 36  
00 00  
24192 Date : 30.10.98 05:44:49 LC : B IQ : 00  
Lat1 : 20.903N Lon1 : 156.464W  
161 1009 576 36  
00 00  
24192 Date : 30.10.98 06:16:53 LC : B IQ : 00  
Lat1 : 20.892N Lon1 : 156.495W  
161 924 576 36  
00 00

24192 Date : 30.10.98 13:39:35 LC : B IQ : 00  
Lat1 : 20.919N Lon1 : 156.429W  
160 189 213 98  
00 00  
24192 Date : 30.10.98 16:13:38 LC : Z IQ : 10  
Lat1 : 20.939N Lon1 : 156.492W  
160 1028 213 98  
00 00  
24192 Date : 30.10.98 17:58:08 LC : A IQ : 00  
Lat1 : 21.010N Lon1 : 156.519W  
161 993 213 98  
00 00  
24192 Date : 31.10.98 03:28:53 LC : B IQ : 00  
Lat1 : 20.890N Lon1 : 156.462W  
161 236 329 63  
00 00  
24192 Date : 31.10.98 05:33:16 LC : A IQ : 00  
Lat1 : 21.000N Lon1 : 156.519W  
161 915 329 63  
00 00  
24192 Date : 31.10.98 06:02:47 LC : B IQ : 00  
Lat1 : 20.756N Lon1 : 155.516W  
161 851 329 63  
00 00  
24192 Date : 01.11.98 13:16:10 LC : 2 IQ : 50  
Lat1 : 20.906N Lon1 : 156.482W  
159 64 189 110  
00 00

1 CARAPACE  
COIL

24192 Date : 01.11.98 15:31:36 LC : B IQ : 00  
Lat1 : 20.912N Lon1 : 156.480W

159 26 189 110  
00 00

24192 Date : 01.11.98 16:21:20 LC : B IQ : 00  
Lat1 : 20.896N Lon1 : 156.443W

160 710 189 110  
00 00

24192 Date : 01.11.98 17:11:50 LC : A IQ : 08  
Lat1 : 20.912N Lon1 : 156.508W

160 677 189 110  
00 00

24192 Date : 02.11.98 00:28:03 LC : B IQ : 00  
Lat1 : 20.731N Lon1 : 156.183W

161 864 230 90  
00 00

24192 Date : 02.11.98 02:45:07 LC : 0 IQ : 50  
Lat1 : 20.916N Lon1 : 156.494W

161 47 230 90  
00 00

24192 Date : 02.11.98 13:07:16 LC : B IQ : 00  
Lat1 : 20.925N Lon1 : 156.468W

160 120 301 68  
00 00

24192 Date : 02.11.98 19:16:18 LC : B IQ : 00  
Lat1 : 20.915N Lon1 : 156.485W

161 819 301 68  
00 00

24192 Date : 03.11.98 02:02:42 LC : A IQ : 00  
Lat1 : 20.902N Lon1 : 156.482W

161 76 313 66  
00 00

24192 Date : 03.11.98 03:57:15 LC : B IQ : 00  
Lat1 : 20.859N Lon1 : 156.346W

161 598 313 66  
00 00

24192 Date : 03.11.98 06:41:48 LC : B IQ : 00  
Lat1 : 21.238N Lon1 : 156.405W

161 768 313 66  
00 00

24192 Date : 03.11.98 12:54:49 LC : B IQ : 00  
Lat1 : 20.931N Lon1 : 156.485W

160 188 169 123  
00 00

24192 Date : 03.11.98 14:32:15 LC : B IQ : 00  
Lat1 : 20.903N Lon1 : 156.446W

160 154 169 115  
02 34

24192 Date : 03.11.98 16:28:25 LC : A IQ : 00  
Lat1 : 20.912N Lon1 : 156.502W

161 634 169 123  
00 00

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24192 Date : 03.11.98 19:11:07 LC : B IQ : 00  
 Lat1 : 20.886N Lon1 : 156.456W  
 161 743 169 123  
 00 00

24192 Date : 04.11.98 00:08:04 LC : B IQ : 00  
 Lat1 : 20.886N Lon1 : 156.404W  
 161 759 228 91  
 00 00

24192 Date : 04.11.98 01:53:25 LC : B IQ : 00  
 Lat1 : 20.909N Lon1 : 156.499W  
 161 799 228 91  
 00 00

24192 Date : 04.11.98 05:15:58 LC : B IQ : 00  
 Lat1 : 20.898N Lon1 : 156.495W  
 161 743 228 91  
 00 00

24192 Date : 04.11.98 06:08:08 LC : A IQ : 00  
 Lat1 : 20.905N Lon1 : 156.481W  
 161 18 228 91  
 00 01

24192 Date : 04.11.98 06:23:15 LC : 2 IQ : 56  
 Lat1 : 20.908N Lon1 : 156.484W  
 161 47 228 91  
 00 00

24192 Date : 04.11.98 12:47:52 LC : B IQ : 00  
 Lat1 : 20.900N Lon1 : 156.466W  
 161 250 171 122  
 00 00

24192 Date : 04.11.98 14:23:50 LC : 1 IQ : 58  
 Lat1 : 20.902N Lon1 : 156.465W  
 160 37 171 90  
 00 00

24192 Date : 04.11.98 16:01:05 LC : B IQ : 00  
 Lat1 : 20.943N Lon1 : 156.389W  
 161 916 171 122  
 00 00

24192 Date : 05.11.98 18:12:51 LC : 0 IQ : 56  
 Lat1 : 20.899N Lon1 : 156.442W  
 160 94 1014 20

24192 Date : 05.11.98 18:41:50 LC : A IQ : 00  
 Lat1 : 20.903N Lon1 : 156.458W  
 161 101 1014 20  
 00 00

24192 Date : 06.11.98 01:32:08 LC : B IQ : 00  
 Lat1 : 20.921N Lon1 : 156.443W  
 161 936 278 74  
 00 00

24192 Date : 06.11.98 14:02:35 LC : A IQ : 00  
 Lat1 : 20.907N Lon1 : 156.479W  
 161 122 210 5169  
 00 30

CHANGE  
LOG

01 00  
00 00  
00 00

72

24192 Date : 06.11.98 15:21:29 LC : 1 IQ : 68

Lat1 : 20.907N Lon1 : 156.477W

161 24 152 5468

01 00

24192 Date : 07.11.98 02:34:19 LC : B IQ : 00

Lat1 : 20.900N Lon1 : 156.504W

161 737 182 116

00 00

24192 Date : 07.11.98 04:07:36 LC : Z IQ : 10

Lat1 : 20.083N Lon1 : 159.182W Lat2 : 20.581N Lon2 : 156.917W

161 869 182 116

00 00

24192 Date : 07.11.98 12:11:07 LC : A IQ : 00

Lat1 : 20.915N Lon1 : 156.479W

163 59 224 93

01 02

24192 Date : 07.11.98 13:50:53 LC : A IQ : 08

Lat1 : 20.906N Lon1 : 156.484W

161 128 224 93

00 00

24192 Date : 07.11.98 17:29:04 LC : B IQ : 00

Lat1 : 20.916N Lon1 : 156.471W

161 197 224 93

00 01

24192 Date : 07.11.98 18:14:28 LC : A IQ : 08

Lat1 : 20.856N Lon1 : 156.281W

161 587 224 93

00 00

24192 Date : 08.11.98 01:02:36 LC : Z IQ : 10

Lat1 : 20.851N Lon1 : 156.708W

161 1035 181 115

00 00

24192 Date : 08.11.98 03:50:33 LC : B IQ : 00

Lat1 : 20.894N Lon1 : 156.470W

161 1167 181 115

00 00

24192 Date : 08.11.98 11:57:48 LC : A IQ : 00

Lat1 : 20.779N Lon1 : 156.356W

161 1182 1083 19

00 00

24192 Date : 08.11.98 13:34:17 LC : Z IQ : 10

Lat1 : 21.194N Lon1 : 157.446W Lat2 : 20.550N Lon2 : 155.776W

Nb mes : 003 Nb mes > -120dB : 000 Best level : -127 dB

Pass duration : 089s NOPC : 0

Calcul freq : 401 650012.5 Hz Altitude : 0 m

161 1390 1083 19

00 00

24192 Date : 08.11.98 18:04:18 LC : A IQ : 06

Lat1 : 20.850N Lon1 : 156.441W Lat2 : 11.345N Lon2 : 115.328W

Nb mes : 003 Nb mes > -120dB : 000 Best level : -129 dB

Pass duration : 135s NOPC : 3

Calcul freq : 401 649984.5 Hz Altitude : 0 m

161 1138 1083 19

00 00

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04800 Date : 08.10.98 14:23:33 LC : B IQ : 00  
Lat1 : 20.550N Lon1 : 161.191W  
172 71 108 191  
00 01

04800 Date : 08.10.98 17:43:05 LC : B IQ : 00  
Lat1 : 20.589N Lon1 : 161.103W  
172 71 108 191  
00 00

04800 Date : 08.10.98 18:34:51 LC : B IQ : 00  
Lat1 : 21.101N Lon1 : 162.518W  
173 120 108 191  
00 01

04800 Date : 09.10.98 06:45:18 LC : B IQ : 00  
Lat1 : 20.828N Lon1 : 160.623W  
171 06 86 237  
00 01

> 04800 Date : 09.10.98 17:23:58 LC : Z IQ : 00  
> Lat1 : ???????? Lon1 : ????????  
> 171 82 108 190  
> 00 00

> 04800 Date : 09.10.98 18:12:15 LC : Z IQ : 00  
> Lat1 : ???????? Lon1 : ????????  
> 171 105 108 190  
> 00 00

04800 Date : 10.10.98 17:47:54 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
170 12 99 195  
00 01

04800 Date : 10.10.98 19:23:37 LC : B IQ : 00  
Lat1 : 21.216N Lon1 : 159.670W  
172 1045 99 195  
00 00

04800 Date : 11.10.98 01:16:41 LC : A IQ : 00  
Lat1 : 21.242N Lon1 : 159.576W  
174 36 91 224  
00 00

04800 Date : 11.10.98 04:10:27 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
235 31310 52000 10504  
00 11

04800 Date : 11.10.98 04:54:57 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
171 656 91 200  
00 01

04800 Date : 11.10.98 17:23:40 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
171 129 57 325  
00 00

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GEDBAR

04800 Date : 11.10.98 18:16:50 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
172 65 57 325  
00 00

04800 Date : 12.10.98 03:52:34 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
171 29 99 208  
00 00

04800 Date : 12.10.98 13:34:33 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
170 32 19325 13826  
00 08

04800 Date : 12.10.98 17:53:16 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
170 73 85 219  
00 00

04800 Date : 12.10.98 18:43:27 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
171 70 85 219  
00 00

04800 Date : 13.10.98 03:24:12 LC : A IQ : 00  
Lat1 : 21.078N Lon1 : 158.371W  
171 12 55 294  
00 02

04800 Date : 13.10.98 05:08:03 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
170 393 55 294  
00 00

04800 Date : 13.10.98 13:26:51 LC : 1 IQ : 58  
Lat1 : 21.057N Lon1 : 158.317W  
169 29 37087 47821  
03 08

04800 Date : 13.10.98 17:35:08 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
169 43 59 252  
00 00

04800 Date : 14.10.98 07:10:45 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
169 63 74 1782  
00 02

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04800 Date : 14.10.98 17:57:24 LC : B IQ : 00  
Lat1 : 20.722N Lon1 : 158.034W  
170 59 119 170  
00 00

04800 Date : 15.10.98 02:12:47 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
172 59 76 252  
00 00

LEDBAR

04800 Date : 15.10.98 16:51:56 LC : (B) IQ : 00  
Lat1 : 20.679N Lon1 : 157.593W  
129 21723 249 65346  
02 28

04800 Date : 15.10.98 17:34:08 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
170 156 88 232  
00 00

04800 Date : 15.10.98 19:17:10 LC : (B) IQ : 00  
Lat1 : 20.743N Lon1 : 157.675W  
172 62 88 232  
00 00

04800 Date : 16.10.98 02:00:56 LC : (B) IQ : 00  
Lat1 : 20.822N Lon1 : 157.543W  
172 67 81 251  
00 01

04800 Date : 16.10.98 03:57:19 LC : (B) IQ : 00  
Lat1 : 20.857N Lon1 : 157.570W  
170 63 81 251  
00 00

04800 Date : 16.10.98 05:40:31 LC : B IQ : 00  
Lat1 : 20.897N Lon1 : 157.515W  
170 907 81 251  
00 02

04800 Date : 16.10.98 16:24:41 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
170 106 91 226  
00 00

04800 Date : 16.10.98 18:07:32 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
171 48 91 226  
00 00

04800 Date : 16.10.98 18:54:43 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
172 133 91 226  
00 01

04800 Date : 16.10.98 19:36:18 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
172 144 91 226  
00 02

04800 Date : 17.10.98 01:49:21 LC : (O) IQ : 56  
Lat1 : 20.856N Lon1 : 157.146W  
12 639 62429 3603  
01 11

04800 Date : 17.10.98 06:01:36 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ????????  
170 277 83 251  
00 00

04800 Date : 17.10.98 18:32:58 LC : (B) IQ : 00  
Lat1 : 20.854N Lon1 : 157.013W  
170 116 102 205  
01 00



GEOBAE

2480

04800 Date : 18.10.98 05:44:04 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

171 346 4259 130  
00 00

04800 Date : 18.10.98 18:14:45 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

170 605 165 129  
00 01

04800 Date : 19.10.98 01:27:11 LC : 1 IQ : 50  
Lat1 : 18.673N Lon1 : 166.190W

171 19 195 108 Lat2 : 20.766N Lon2 : 156.820W  
00 00

04800 Date : 19.10.98 04:31:36 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

170 230 195 108  
00 00

04800 Date : 19.10.98 05:18:21 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

170 81 195 108  
00 00

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04800 Date : 19.10.98 12:23:11 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

168 108 135 158  
00 00

04800 Date : 19.10.98 14:02:44 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

167 78 135 158  
00 00

04800 Date : 19.10.98 16:58:52 LC : B IQ : 00  
Lat1 : 20.904N Lon1 : 156.916W

167 525 135 158  
00 00

04800 Date : 19.10.98 17:49:56 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

168 24 135 158  
00 00

04800 Date : 20.10.98 01:19:38 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

170 90 18586 17106  
01 18

04800 Date : 20.10.98 04:09:13 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

170 30 156 135  
00 00

04800 Date : 20.10.98 07:47:38 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

170 39 156 8323  
00 00

00 00

04800 Date : 20.10.98 16:35:21 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
170 130 93 225  
00 01

04800 Date : 20.10.98 17:30:31 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
170 197 53589 21781  
01 21

04800 Date : 21.10.98 03:48:10 LC : A IQ : 00  
Lat1 : 20.892N Lon1 : 156.694W  
171 183 138 153  
00 48

04800 Date : 21.10.98 04:34:17 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
171 70 138 153  
00 00

04800 Date : 21.10.98 05:29:02 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
170 77 138 153  
00 00

04800 Date : 21.10.98 07:38:58 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
170 47 138 153  
00 00

04800 Date : 21.10.98 16:18:03 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
169 294 163 127  
00 01

04800 Date : 22.10.98 00:53:54 LC : 0 IQ : 50  
Lat1 : 20.883N Lon1 : 156.676W  
171 05 368 56  
00 00

04800 Date : 22.10.98 03:24:59 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
170 102 368 56  
00 00

04800 Date : 22.10.98 13:24:29 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
169 16 168 124  
00 00

04800 Date : 22.10.98 15:48:25 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
169 41 168 124  
00 01

04800 Date : 22.10.98 18:22:11 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
170 1559 168 124  
00 00

04800 Date : 23.10.98 05:34:46 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
169 249 357 59  
00 00

GEOBAR

04800 Date : 23.10.98 07:10:10 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

170 20 357 59

00 01

04800 Date : 23.10.98 13:14:56 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

169 90 185 112

00 04

04800 Date : 24.10.98 00:30:22 LC : B IQ : 00

Lat1 : 20.872N Lon1 : 156.656W

171 1259 336 62

00 00

04800 Date : 24.10.98 05:10:53 LC : A IQ : 00

Lat1 : 20.898N Lon1 : 156.688W

170 16 336 62

00 00

04800 Date : 24.10.98 06:47:49 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

170 187 2129 58

00 00

04800 Date : 24.10.98 13:03:01 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

170 940 185 114

00 00

04800 Date : 24.10.98 16:49:14 LC : A IQ : 08

Lat1 : 20.887N Lon1 : 156.689W

168 230 185 114

00 00

04800 Date : 24.10.98 17:33:30 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

169 189 185 114

00 00

04800 Date : 24.10.98 19:14:39 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

170 1179 185 114

00 00

04800 Date : 25.10.98 12:50:22 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

170 1214 297 1095

00 33

04800 Date : 25.10.98 16:30:47 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

169 53 297 71

00 00

04800 Date : 25.10.98 18:54:10 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

170 69 297 71

00 00

04800 Date : 25.10.98 19:17:50 LC : B IQ : 00

Lat1 : 20.945N Lon1 : 156.762W

170 207 297 71

00 00

04800 Date : 26.10.98 03:33:46 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
171 32908 233 1114  
00 02

04800 Date : 26.10.98 06:04:24 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
170 155 233 74  
00 00

GEORGE

04800 Date : 26.10.98 16:52:35 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
169 176 188 109  
00 00

04800 Date : 27.10.98 01:36:53 LC : B IQ : 00  
Lat1 : 20.894N Lon1 : 156.623W  
172 1085 405 51  
00 00

04800 Date : 27.10.98 05:41:50 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
170 137 405 51  
00 00

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04800 Date : 28.10.98 01:27:37 LC : B IQ : 00  
Lat1 : 20.861N Lon1 : 156.677W  
172 805 506 40  
00 00

04800 Date : 28.10.98 07:50:11 LC : B IQ : 00  
Lat1 : 20.888N Lon1 : 156.681W  
170 47 506 40  
00 00

04800 Date : 29.10.98 04:14:56 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
170 1504 420 113  
00 00

04800 Date : 29.10.98 16:43:53 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
170 776 1215 110  
00 01

04800 Date : 29.10.98 17:30:31 LC : A IQ : 00  
Lat1 : 20.760N Lon1 : 156.218W  
170 552 191 110  
00 00

04800 Date : 30.10.98 06:17:41 LC : B IQ : 00  
Lat1 : 20.864N Lon1 : 156.660W  
170 62 409 50  
00 00

xeroxed 11/2/98

04800 Date : 31.10.98 00:55:34 LC : A IQ : 00  
Lat1 : 20.897N Lon1 : 156.662W  
171 1662 466 44  
00 00

04800 Date : 31.10.98 03:24:40 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????  
170 17963 2386 108  
00 18

GEOBAE

04800 Date : 31.10.98 05:56:59 LC : B IQ : 00  
 Lat1 : 20.916N Lon1 : 156.677W

171 226 466 44  
 00 00

04800 Date : 02.11.98 04:22:28 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ????????

170 20 480 20777  
 03 26

04800 Date : 01.11.98 05:35:28 LC : B IQ : 00  
 Lat1 : 20.892N Lon1 : 156.710W

170 396 384 54  
 00 00

04800 Date : 01.11.98 06:58:11 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ????????

170 38 384 54  
 00 00

04800 Date : 08.11.98 17:06:10 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 113 246 85  
 00 00

04800 Date : 08.11.98 18:50:40 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 916 246 85  
 00 00

04800 Date : 11.11.98 05:13:11 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 722 448 46  
 00 00

04800 Date : 11.11.98 17:42:25 LC : A IQ : 00  
 Lat1 : 20.905N Lon1 : 156.717W Lat2 : 17.708N Lon2 : 141.984W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : 077s NOPC : 1  
 Calcul freq : 401 650382.9 Hz Altitude : 0 m  
 170 554 399 52  
 00 00

04800 Date : 11.11.98 19:12:38 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 788 399 52  
 00 00

04800 Date : 12.11.98 12:55:08 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 59 217 96  
 00 01

04800 Date : 12.11.98 17:17:04 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
170 203 217 96  
00 02

GEOBAR

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04800 Date : 12.11.98 18:53:30 LC : B IQ : 00  
Lat1 : 20.919N Lon1 : 156.686W Lat2 : 16.820N Lon2 : 138.844W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -133 dB  
Pass duration : 038s NOPC : 1  
Calcul freq : 401 650393.4 Hz Altitude : 0 m  
171 261 217 96  
00 00

04800 Date : 13.11.98 03:37:34 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -131 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
171 77 154 135  
00 02

04800 Date : 13.11.98 12:44:26 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
171 481 159 130  
00 00

04800 Date : 13.11.98 17:48:07 LC : B IQ : 00  
Lat1 : 20.916N Lon1 : 156.710W Lat2 : 28.383N Lon2 : 167.370E  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : 078s NOPC : 1  
Calcul freq : 401 650393.4 Hz Altitude : 0 m  
170 890 159 130  
00 00

04800 Date : 13.11.98 18:35:12 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
170 227 159 130  
00 01

04800 Date : 13.11.98 18:44:54 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
171 153 157 130  
00 00

04800 Date : 14.11.98 05:52:16 LC : B IQ : 00  
Lat1 : 20.935N Lon1 : 156.774W Lat2 : 20.340N Lon2 : 158.747W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : 066s NOPC : 1  
Calcul freq : 401 650393.4 Hz Altitude : 0 m  
170 699 242 85  
00 00

04800 Date : 14.11.98 17:23:59 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
170 347 514 40  
00 00

GETBAR

04800 Date : 14.11.98 18:09:46 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -138 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 341 514 40  
 00 00

04800 Date : 15.11.98 04:36:28 LC : B IQ : 00  
 Lat1 : 20.903N Lon1 : 156.698W Lat2 : 17.841N Lon2 : 170.993W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : 177s NOPC : 1  
 Calcul freq : 401 650393.4 Hz Altitude : 0 m  
 170 763 354 58  
 00 00

04800 Date : 15.11.98 07:03:30 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 846 354 58  
 00 00

04800 Date : 15.11.98 17:04:44 LC : A IQ : 00  
 Lat1 : 20.938N Lon1 : 156.724W Lat2 : 24.055N Lon2 : 171.460W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -132 dB  
 Pass duration : 077s NOPC : 1  
 Calcul freq : 401 650414.6 Hz Altitude : 0 m  
 169 951 504 41  
 00 00

04800 Date : 16.11.98 13:52:53 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -132 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 168 745 323 64  
 00 00

04800 Date : 17.11.98 06:23:13 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 51 796 26  
 00 00

04800 Date : 18.11.98 00:53:50 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -129 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 918 400 52  
 00 00

04800 Date : 18.11.98 03:31:45 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -131 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 109 400 52  
 00 00

04800 Date : 18.11.98 05:08:37 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 190 400 62  
 00 00

GEOBAR

04800 Date : 18.11.98 05:58:23 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 188 400 52  
 00 00

04800 Date : 18.11.98 17:40:11 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 1036 149 142  
 00 00

04800 Date : 19.11.98 04:50:53 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 147 357 58  
 00 00

04800 Date : 19.11.98 05:40:12 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -130 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 293 357 58  
 00 00

04800 Date : 19.11.98 06:36:13 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 399 357 58  
 03 38

04800 Date : 20.11.98 00:31:30 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 851 645 32  
 00 00

04800 Date : 20.11.98 05:17:58 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 610 645 1056  
 01 00

04800 Date : 20.11.98 06:26:45 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 41079 647 16416  
 00 42

04800 Date : 20.11.98 19:21:46 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -138 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 809 133 159  
 00 00

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04800 Date : 22.11.98 03:44:11 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 69 233 88  
 00 00

04800 Date : 22.11.98 05:23:25 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 1618 481 24  
 00 01

04800 Date : 22.11.98 06:12:00 LC : B IQ : 00  
 Lat1 : 20.893N Lon1 : 156.685W Lat2 : 18.120N Lon2 : 169.592W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : 291s NOPC : 1  
 Calcul freq : 401 650393.4 Hz Altitude : 0 m  
 169 135 233 88  
 00 00

04800 Date : 22.11.98 18:30:41 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 629 129 161  
 00 00

04800 Date : 24.11.98 14:05:48 LC : B IQ : 00  
 Lat1 : 20.879N Lon1 : 156.691W Lat2 : 23.360N Lon2 : 167.914W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : 038s NOPC : 1  
 Calcul freq : 401 650393.4 Hz Altitude : 0 m  
 168 629 172 120  
 00 00

04800 Date : 24.11.98 19:42:51 LC : Z IQ : 10  
 Lat1 : 22.310N Lon1 : 162.097W Lat2 : 20.884N Lon2 : 156.645W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : 116s NOPC : 0  
 Calcul freq : 401 650393.4 Hz Altitude : 0 m  
 169 855 172 120  
 00 00

04800 Date : 25.11.98 04:11:59 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 169 61 353 58  
 00 00

04800 Date : 25.11.98 05:01:49 LC : B IQ : 00  
 Lat1 : 20.919N Lon1 : 156.777W Lat2 : 24.947N Lon2 : 137.773W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : 083s NOPC : 1  
 Calcul freq : 401 650393.4 Hz Altitude : 0 m  
 168 21 333 2939  
 00 00

04800 Date : 25.11.98 06:44:24 LC : B IQ : 00  
 Lat1 : 20.880N Lon1 : 156.657W Lat2 : 14.546N Lon2 : 174.168E  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : 131s NOPC : 1  
 Calcul freq : 401 650393.4 Hz Altitude : 0 m  
 169 26 353 58  
 00 01

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GEOBAR  
FERN

24194 Date : 08.10.98 14:25:18 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

167 87 116 173  
00 00

24194 Date : 08.10.98 18:29:18 LC : B IQ : 00  
Lat1 : 21.794N Lon1 : 161.835W

169 45 84 29164  
00 48

24194 Date : 08.10.98 17:41:04 LC : B IQ : 00  
Lat1 : 21.464N Lon1 : 160.164W

168 112 277 10383  
01 42

> 24194 Date : 09.10.98 17:20:59 LC : B IQ : 00  
> Lat1 : 21.526N Lon1 : 159.605W

> 169 112 4233 150  
> 00 03

> 24194 Date : 09.10.98 18:08:13 LC : B IQ : 00  
> Lat1 : 21.498N Lon1 : 159.620W

> 169 82 137 150  
> 00 00

> 24194 Date : 10.10.98 01:32:29 LC : Z IQ : 00  
> Lat1 : ??????? Lon1 : ????????

> 169 97 102 207  
> 00 00

> 24194 Date : 10.10.98 04:28:57 LC : Z IQ : 00  
> Lat1 : ??????? Lon1 : ????????

> 169 77 5222 8391  
> 00 00

24194 Date : 10.10.98 08:13:32 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

168 34 102 207  
00 01

24194 Date : 10.10.98 19:23:06 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

169 103 124 165  
00 00

24194 Date : 11.10.98 19:08:02 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

169 116 133 153  
00 00

24194 Date : 12.10.98 06:17:27 LC : B IQ : 00  
Lat1 : 21.353N Lon1 : 158.008W

169 2721 31226 9386  
00 41

24194 Date : 12.10.98 13:37:27 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

166 16580 33983 38515  
02 04

GEORGE  
TERN

24194 Date : 12.10.98 17:54:33 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

167 126 107 195  
00 00

24194 Date : 12.10.98 20:25:17 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

168 203 107 195  
00 00

24194 Date : 13.10.98 00:58:40 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

169 119 106 199  
00 00

24194 Date : 13.10.98 05:04:50 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

167 9178 1130 199  
00 08

24194 Date : 13.10.98 05:50:59 LC : B IQ : 00  
Lat1 : 20.846N Lon1 : 159.633W

173 17489 14946 35635  
00 34

24194 Date : 13.10.98 15:53:58 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

166 510 139 149  
00 00

24194 Date : 13.10.98 18:21:07 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

166 80 139 149  
00 00

24194 Date : 14.10.98 00:45:13 LC : Z IO : 00  
Lat1 : ???????? Lon1 : ?????????

168 100 153 137  
00 00

24194 Date : 14.10.98 07:20:42 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

166 1249 153 137  
00 00

24194 Date : 14.10.98 17:08:28 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

165 57 182 112  
00 00

24194 Date : 14.10.98 17:54:53 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

166 123 182 112  
00 00

24194 Date : 14.10.98 19:56:14 LC : (A) IQ : 00  
Lat1 : 21.277N Lon1 : 156.954W

167 112 183 12381  
00 08

24194 Date : 15.10.98 13:07:49 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

165 90 164 130  
00 00

~~XEROX~~ 10/15/98

24194 Date : 15.10.98 17:35:15 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

166 59 164 130  
00 00

GEORGE  
TERN

87

24194 Date : 16.10.98 19:34:59 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 215 243 87  
00 01

24194 Date : 18.10.98 04:53:25 LC : B IQ : 00

Lat1 : 20.878N Lon1 : 156.378W

165 117 25085 48641  
01 43

24194 Date : 19.10.98 04:34:03 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 190 417 50  
00 00

24194 Date : 20.10.98 13:53:25 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 1760 514 41  
00 06

24194 Date : 20.10.98 16:41:30 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 409 514 41  
00 00

24194 Date : 21.10.98 01:03:57 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

166 50 534 39  
00 00

24194 Date : 21.10.98 06:13:27 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

166 48 534 39  
00 00

24194 Date : 21.10.98 17:02:50 LC : A IQ : 00

Lat1 : 20.908N Lon1 : 156.437W

165 279 110 89  
00 03

Xerox 10/23/98

24194 Date : 21.10.98 18:31:57 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 358 238 88  
00 01

24194 Date : 22.10.98 05:07:35 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

166 180 320 64  
00 00

24194 Date : 22.10.98 05:52:30 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

166 53 320 64  
00 00

GEOBAR  
TERN

24194 Date : 22.10.98 07:22:04 LC : B IQ : 00

Lat1 : 20.905N Lon1 : 156.436W

166 248 320 8313

00 00

24194 Date : 22.10.98 15:56:46 LC : B IQ : 00

Lat1 : 20.915N Lon1 : 156.418W

168 85 257 82

00 00

24194 Date : 23.10.98 04:42:04 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 162 199 106

00 00

24194 Date : 24.10.98 04:20:44 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

166 101 443 47

00 00

24194 Date : 24.10.98 13:04:12 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 35 230 92

00 00

24194 Date : 24.10.98 16:47:59 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 233 230 4188

00 00

24194 Date : 24.10.98 17:38:02 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 439 230 92

00 00

24194 Date : 25.10.98 02:00:53 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

166 123 256 83

00 00

24194 Date : 25.10.98 06:27:51 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

166 222 256 83

00 00

24194 Date : 25.10.98 17:14:50 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

164 228 183 117

00 00

24194 Date : 25.10.98 19:16:46 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 322 183 117

00 00

24194 Date : 26.10.98 18:36:25 LC : Z IQ : 00

Lat1 : ??????? Lon1 : ????????

165 08 212 101

00 00

24194 Date : 27.10.98 01:37:24 LC : B IQ : 00

Lat1 : 20.904N Lon1 : 156.462W

165 1802 513 41

00 00

24194 Date : 27.10.98 06:23:56 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

165 12 513 41

00 00

xeroxed 10/27/98

89

24194 Date : 28.10.98 01:27:56 LC : (A) IQ : 00  
Lat1 : 20.909N Lon1 : 156.449W

166 2145 631 33

00 00

24194 Date : 28.10.98 17:04:48 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

164 275 739 13

00 00

24194 Date : 28.10.98 17:47:22 LC : (B) IQ : 00  
Lat1 : 20.936N Lon1 : 156.487W

165 104 227 93

00 00

24194 Date : 29.10.98 07:37:37 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

173 135 355 59

00 00

24194 Date : 29.10.98 16:44:12 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

165 16464 1024

24194 Date : 29.10.98 17:29:31 LC : (B) IQ : 00  
Lat1 : 20.919N Lon1 : 156.394W

165 211 210 101

00 00

24194 Date : 30.10.98 06:17:02 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

165 1339 240 88

00 16

24194 Date : 29.10.98 18:25:35 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

165 133 210 101

00 00

xeroxed 10/2/98

24194 Date : 31.10.98 00:52:03 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

166 2087 762 27

00 00

24194 Date : 02.11.98 04:27:40 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

168 2121 17022 33862

03 11

24194 Date : 02.11.98 17:41:30 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ?????????

164 325 195 109

00 00

24194 Date : 03.11.98 06:27:09 LC : B IQ : 00  
Lat1 : 20.898N Lon1 : 156.441W

166 2161 268 74

00 01

GEORGE  
TERN

24194 Date : 03.11.98 12:58:02 LC : B IQ : 00  
 Lat1 : 20.907N Lon1 : 156.381W  
 165 221 211 100  
 00 00

24194 Date : 03.11.98 17:19:37 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 164 38 211 36  
 02 00

24194 Date : 04.11.98 06:06:58 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 182 111 36977 4906  
 00 40

24194 Date : 04.11.98 08:00:50 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 166 95 203 103  
 00 00

24194 Date : 04.11.98 12:44:06 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 165 177 184 115  
 00 00

24194 Date : 04.11.98 14:28:54 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 165 84 184 115  
 00 00

24194 Date : 04.11.98 16:07:10 LC : B IQ : 00  
 Lat1 : 20.923N Lon1 : 156.414W  
 165 130 184 1139  
 00 00

24194 Date : 04.11.98 16:53:33 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 165 74 184 115  
 00 00

24194 Date : 04.11.98 18:31:34 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 166 303 144 16595  
 02 12

24194 Date : 05.11.98 04:58:31 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 166 90 203 103  
 00 01

24194 Date : 05.11.98 06:08:49 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 166 77 203 103  
 00 00

24194 Date : 05.11.98 07:50:48 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 165 142 203 103  
 00 00

04800 Date : 02.11.98 13:05:37 LC : Z IQ : 00  
 Lat1 : ???????? Lon1 : ????????  
 170 824 237 89  
 00 00

GEOBAR  
 TERN

04800 Date : 02.11.98 16:48:19 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
169 299 237 89  
00 01

04800 Date : 03.11.98 14:36:16 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
169 777 368 56  
00 00

04800 Date : 03.11.98 16:26:21 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
169 235 368 56  
00 00

04800 Date : 04.11.98 06:11:43 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
170 849 388 53  
00 00

04800 Date : 04.11.98 16:07:08 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
170 1154 451 46  
00 00

04800 Date : 05.11.98 01:37:57 LC : B IQ : 00  
Lat1 : 20.887N Lon1 : 156.684W  
170 1257 358 58  
00 00

04800 Date : 05.11.98 04:56:35 LC : B IQ : 00  
Lat1 : 20.900N Lon1 : 156.682W  
170 28 358 58  
00 00

04800 Date : 05.11.98 05:50:27 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
170 139 358 58  
00 00

MOVE TO 4800

24194 Date : 05.11.98 18:42:40 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
165 455 157 134  
00 00

24194 Date : 06.11.98 18:29:08 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
165 252 152 138  
00 00

24194 Date : 07.11.98 04:16:10 LC : B IQ : 00  
Lat1 : 20.892N Lon1 : 156.481W  
166 174 182 116  
00 02

24194 Date : 07.11.98 16:41:47 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ???????  
165 46 555 37  
00 00

91

GEORGE  
TEAN



GEORGE  
TERN

24194 Date : 08.11.98 03:55:15 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????

165 58 16786 51  
00 00

24194 Date : 08.11.98 07:13:41 LC : B IQ : 00  
Lat1 : 20.884N Lon1 : 156.446W

165 109 33173 12821  
00 33

24194 Date : 08.11.98 13:35:45 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
164 161 183 115  
00 00

24194 Date : 08.11.98 16:20:31 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
164 93 183 115  
00 00

24194 Date : 09.11.98 16:46:24 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
166 109 457 45  
00 00

24194 Date : 10.11.98 04:47:39 LC : B IQ : 00  
Lat1 : 20.903N Lon1 : 156.415W Lat2 : 16.680N Lon2 : 176.196W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -132 dB  
Pass duration : 222s NOPC : 1  
Calcul freq : 401 649649.6 Hz Altitude : 0 m  
166 186 339 61  
00 01

24194 Date : 11.11.98 04:21:26 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -132 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
166 936 156 134  
00 00

24194 Date : 11.11.98 19:04:16 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
166 96 223 93  
00 00

24194 Date : 12.11.98 04:04:45 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
166 189 136 150  
00 01

24194  
Lat  
Nb  
Pa  
Ca  
16  
00  
24194  
Lat  
Nb  
Pa  
Ca  
16  
00  
24194  
Lat  
Nb  
Pa  
Ca  
16  
00  
24194  
La  
Nb  
Pa  
Ca  
16  
01  
24194  
La  
Nb  
Pa  
Ca  
16  
00  
24194  
La  
Nb  
Pa  
Ca  
16  
00  
24194  
La  
Nb  
Pa  
Ca  
16  
00

24194 Date : 12.11.98 04:50:37 LC : B IQ : 00  
 Lat1 : 20.905N Lon1 : 156.411W Lat2 : 26.231N Lon2 : 131.456W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -131 dB  
 Pass duration : 132s NOPC : 1  
 Calcul freq : 401 649649.6 Hz Altitude : 0 m  
 166 38 140 150  
 00 04

24194 Date : 12.11.98 06:29:33 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 166 168 32908 534  
 00 41

24194 Date : 12.11.98 19:00:42 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 166 271 119 179  
 00 00

24194 Date : 13.11.98 03:36:55 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 168 16447 159 102  
 00 48

24194 Date : 13.11.98 06:08:41 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -131 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 167 94 159 131  
 01 18

24194 Date : 13.11.98 06:10:55 LC : A IQ : 00  
 Lat1 : 20.913N Lon1 : 156.406W Lat2 : 18.148N Lon2 : 168.954W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : 268s NOPC : 2  
 Calcul freq : 401 649655.2 Hz Altitude : 0 m  
 167 23 159 135  
 00 00

24194 Date : 13.11.98 16:08:20 LC : B IQ : 00  
 Lat1 : 20.925N Lon1 : 156.412W Lat2 : 18.442N Lon2 : 144.781W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -131 dB  
 Pass duration : 218s NOPC : 2  
 Calcul freq : 401 649655.2 Hz Altitude : 0 m  
 166 77 117 181  
 00 00

24194 Date : 13.11.98 18:45:58 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 170 16606 40002 61995  
 01 25

24194 Date : 14.11.98 12:37:31 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 166 65 141 32917  
 00 00

24194 Date : 15.11.98 04:35:33 LC : B IQ : 00  
 Lat1 : 20.884N Lon1 : 156.396W Lat2 : 17.704N Lon2 : 171.280W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : 352s NOPC : 2  
 Calcul freq : 401 649655.2 Hz Altitude : 0 m  
 166 95 161 130  
 00 00

24194 Date : 15.11.98 17:53:18 LC : B IQ : 00  
 Lat1 : 20.931N Lon1 : 156.417W Lat2 : 19.091N Lon2 : 147.951W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -131 dB  
 Pass duration : 067s NOPC : 1  
 Calcul freq : 401 649655.2 Hz Altitude : 0 m  
 164 113 135 155  
 00 00

24194 Date : 16.11.98 06:46:31 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -140 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 165 161 187 49  
 00 00

24194 Date : 16.11.98 17:29:05 LC : B IQ : 00  
 Lat1 : 20.937N Lon1 : 156.499W Lat2 : 16.596N Lon2 : 136.985W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : 144s NOPC : 1  
 Calcul freq : 401 649655.2 Hz Altitude : 0 m  
 165 45925 42501 56202  
 01 46

24194 Date : 17.11.98 03:56:09 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 165 153 163 128  
 00 00

24194 Date : 17.11.98 13:42:02 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 165 68 38 4221  
 00 00

24194 Date : 17.11.98 16:25:42 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 164 8744 2214 125  
 00 00

24194 Date : 18.11.98 05:53:49 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -138 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 164 89 143 146  
 00 00

24194 Date : 18.11.98 13:32:25 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 164 142 144 145  
 00 00

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24194 Date : 18.11.98 17:37:52 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -137 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 164 61 144 145  
 00 00

24194 Date : 19.11.98 03:10:06 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 165 382 142 148  
 00 00

24194 Date : 19.11.98 04:48:35 LC : A IQ : 00  
 Lat1 : 20.896N Lon1 : 156.460W Lat2 : 16.404N Lon2 : 176.971W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : 332s NOPC : 2  
 Calcul freq : 401 649641.8 Hz Altitude : 0 m  
 165 81 143 8783  
 02 44

24194 Date : 19.11.98 08:16:09 LC : B IQ : 00  
 Lat1 : 20.879N Lon1 : 156.422W Lat2 : 13.084N Lon2 : 168.721E  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : 166s NOPC : 2  
 Calcul freq : 401 649641.8 Hz Altitude : 0 m  
 163 435 174 32916  
 00 00

24194 Date : 19.11.98 18:04:09 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 163 83 135 155  
 00 00

24194 Date : 19.11.98 19:07:03 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 163 176 135 155  
 00 00

24194 Date : 20.11.98 06:52:15 LC : B IQ : 00  
 Lat1 : 20.910N Lon1 : 156.385W Lat2 : 13.404N Lon2 : 169.198E  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : 158s NOPC : 2  
 Calcul freq : 401 649641.8 Hz Altitude : 0 m  
 164 88 160 130  
 00 00

24194 Date : 20.11.98 16:51:18 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 163 160 99 466  
 00 00

24194 Date : 21.11.98 07:49:36 LC : B IQ : 00  
 Lat1 : 20.883N Lon1 : 156.397W Lat2 : 15.775N Lon2 : 179.089W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -131 dB  
 Pass duration : 148s NOPC : 1  
 Calcul freq : 401 649641.8 Hz Altitude : 0 m  
 163 64 112 186  
 00 00

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24194 Date : 21.11.98 16:31:52 LC : B IQ : 00  
 Lat1 : 20.920N Lon1 : 156.479W Lat2 : 20.844N Lon2 : 156.116W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -131 dB  
 Pass duration : 397s NOPC : 2  
 Calcul freq : 401 649615.3 Hz Altitude : 0 m  
 161 40 74 68  
 02 03

24194 Date : 21.11.98 17:23:02 LC : A IQ : 00  
 Lat1 : 20.909N Lon1 : 156.425W Lat2 : 15.697N Lon2 : 132.474W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -132 dB  
 Pass duration : 251s NOPC : 1  
 Calcul freq : 401 649615.3 Hz Altitude : 0 m  
 161 48 106 195  
 02 44

24194 Date : 22.11.98 06:10:02 LC : B IQ : 00  
 Lat1 : 20.901N Lon1 : 156.448W Lat2 : 18.002N Lon2 : 169.749W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -131 dB  
 Pass duration : 250s NOPC : 2  
 Calcul freq : 401 649615.3 Hz Altitude : 0 m  
 160 33825 57980 60150  
 02 25

24194 Date : 22.11.98 16:10:35 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 161 54 163 128  
 00 00

24194 Date : 22.11.98 18:29:55 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 129 136 163 2178  
 02 00

24194 Date : 22.11.98 18:37:22 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 167 1295 23629 15633  
 00 53

24194 Date : 23.11.98 05:50:35 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 162 128 137 154  
 00 00

24194 Date : 23.11.98 12:36:45 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 161 28 114 184  
 00 00

24194 Date : 23.11.98 18:14:15 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -138 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 160 73 114 184  
 00 00

24194 Date : 24.11.98 14:04:57 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
160 36958 9001 51965  
01 06

97

24194 Date : 24.11.98 17:02:08 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
31 93 31 16934  
02 35

24194 Date : 24.11.98 17:54:05 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -138 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
32 111 16502 49409  
02 37

24194 Date : 25.11.98 06:49:47 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -138 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
35 8818 47907 4161  
00 18

24194 Date : 25.11.98 06:56:39 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 57 3223 139  
00 02

24194 Date : 25.11.98 17:35:02 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
160 134 127 163  
00 00

24194 Date : 26.11.98 06:24:04 LC : B IQ : 00  
Lat1 : 20.892N Lon1 : 156.453W Lat2 : 16.752N Lon2 : 175.469W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -131 dB  
Pass duration : 059s NOPC : 1  
Calcul freq : 401 649615.3 Hz Altitude : 0 m  
161 56 150 139  
00 00

24194 Date : 26.11.98 16:16:18 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 161 124 168  
00 00

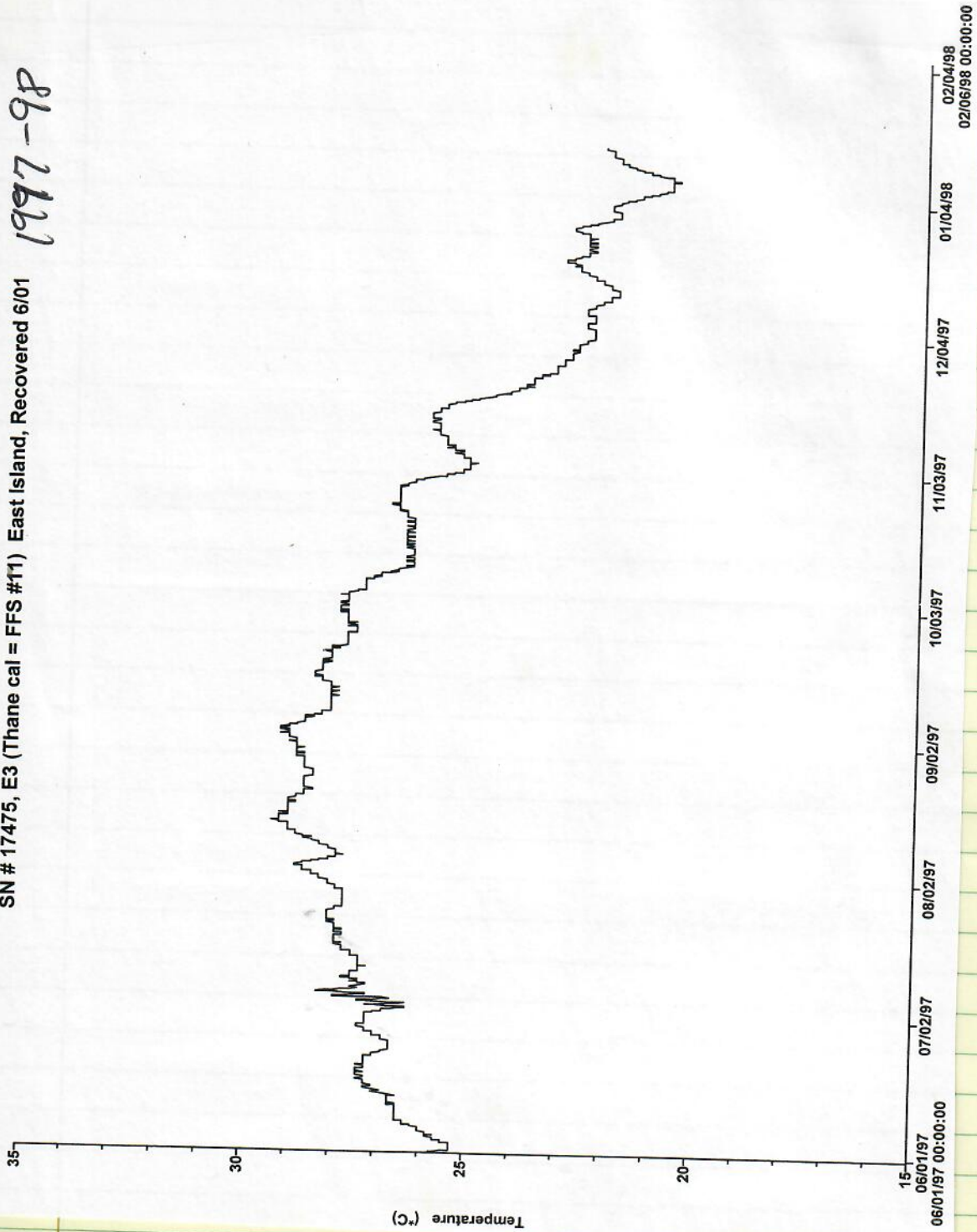
24194 Date : 27.11.98 00:53:08 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
162 223 133 161  
00 00

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24194 Date : 27.11.98 06:00:24 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????? Lat2 : ???????? Lon2 : ?????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -138 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
162 127 133 161  
00 00

- NOW GO TO BOOK 3 -

SN # 17475, E3 (Thane cal = FFS #11) East Island, Recovered 6/01  
1997-98







CARAPACE  
Coil

24192 Date : 09.11.98 13:31:07 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -131 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 130 129 162  
00 00

24192 Date : 09.11.98 15:07:55 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -132 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 141 129 162  
00 00

24192 Date : 09.11.98 15:59:53 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -126 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 264 129 162  
00 00

24192 Date : 09.11.98 16:43:26 LC : A IQ : 00  
Lat1 : 20.884N Lon1 : 156.452W Lat2 : 11.591N Lon2 : 115.399W  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -129 dB  
Pass duration : 276s NOPC : 3  
Calcul freq : 401 650000.2 Hz Altitude : 0 m  
161 64 129 162  
00 00

24192 Date : 09.11.98 17:53:54 LC : A IQ : 00  
Lat1 : 20.896N Lon1 : 156.456W Lat2 : 10.110N Lon2 : 109.183W  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -132 dB  
Pass duration : 089s NOPC : 2  
Calcul freq : 401 650009.6 Hz Altitude : 0 m  
161 17231 129 162  
00 00

24192 Date : 09.11.98 18:21:51 LC : B IQ : 00  
Lat1 : 20.897N Lon1 : 156.409W Lat2 : 22.561N Lon2 : 162.768W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -127 dB  
Pass duration : 055s NOPC : 2  
Calcul freq : 401 650019.5 Hz Altitude : 0 m  
161 793 129 162  
00 00

24192 Date : 10.11.98 00:46:15 LC : B IQ : 00  
Lat1 : 20.901N Lon1 : 156.515W Lat2 : 23.550N Lon2 : 144.701W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -128 dB  
Pass duration : 045s NOPC : 2  
Calcul freq : 401 650000.2 Hz Altitude : 0 m  
162 851 169 123  
00 00

24192 Date : 10.11.98 06:47:10 LC : 1 IQ : 58  
Lat1 : 20.906N Lon1 : 156.485W Lat2 : 22.509N Lon2 : 149.394W  
Nb mes : 005 Nb mes>-120dB : 000 Best level : -125 dB  
Pass duration : 620s NOPC : 4  
Calcul freq : 401 650011.4 Hz Altitude : 0 m  
162 102 169 123  
00 00

24192 Date : 10.11.98 13:19:27 LC : A IQ : 08  
Lat1 : 20.905N Lon1 : 156.477W Lat2 : 18.777N Lon2 : 146.990W  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -122 dB  
Pass duration : 453s NOPC : 2  
Calcul freq : 401 650006.9 Hz Altitude : 0 m  
161 96 174 119  
00 00

24192 Date : 10.11.98 14:56:58 LC : A IQ : 08  
 Lat1 : 20.918N Lon1 : 156.464W Lat2 : 29.749N Lon2 : 164.704E  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -129 dB  
 Pass duration : 291s NOPC : 3  
 Calcul freq : 401 650013.5 Hz Altitude : 0 m  
 161 36 174 119  
 00 00

24192 Date : 10.11.98 15:35:23 LC : B IQ : 00  
 Lat1 : 20.924N Lon1 : 156.470W Lat2 : 14.958N Lon2 : 128.368W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -125 dB  
 Pass duration : 348s NOPC : 2  
 Calcul freq : 401 650013.5 Hz Altitude : 0 m  
 161 110 170 119  
 00 00

24192 Date : 10.11.98 16:21:22 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -138 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 161 190 174 119  
 00 00

24192 Date : 10.11.98 17:18:37 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 161 137 174 119  
 00 00

24192 Date : 10.11.98 18:01:04 LC : A IQ : 08  
 Lat1 : 20.923N Lon1 : 156.577W Lat2 : 20.087N Lon2 : 152.772W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -125 dB  
 Pass duration : 134s NOPC : 2  
 Calcul freq : 401 650017.3 Hz Altitude : 0 m  
 161 659 174 119  
 00 00

24192 Date : 11.11.98 06:48:46 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 161 49539 3703 3299  
 00 12

24192 Date : 11.11.98 19:14:28 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 161 1197 923 22  
 00 00

24192 Date : 11.11.98 19:16:43 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -130 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 161 1197 923 22  
 00 00

24192 Date : 12.11.98 00:22:04 LC : B IQ : 00  
 Lat1 : 20.919N Lon1 : 156.459W Lat2 : 25.864N Lon2 : 133.955W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -125 dB  
 Pass duration : 348s NOPC : 2  
 Calcul freq : 401 650013.5 Hz Altitude : 0 m  
 162 179 466 44  
 00 00

CAPACITANCE  
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24192 Date : 12.11.98 02:03:04 LC : B IQ : 00  
Lat1 : 20.909N Lon1 : 156.465W Lat2 : 15.160N Lon2 : 177.790E  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -129 dB  
Pass duration : 269s NOPC : 2  
Calcul freq : 401 650013.5 Hz Altitude : 0 m  
162 111 466 44  
00 00

24192 Date : 12.11.98 02:21:32 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
162 91 466 44  
00 00

24192 Date : 12.11.98 04:02:07 LC : 0 IQ : 50  
Lat1 : 20.894N Lon1 : 156.449W Lat2 : 21.186N Lon2 : 155.038W  
Nb mes : 004 Nb mes>-120dB : 000 Best level : -127 dB  
Pass duration : 681s NOPC : 2  
Calcul freq : 401 650018.3 Hz Altitude : 0 m  
162 141 466 44  
00 00

24192 Date : 12.11.98 04:51:57 LC : A IQ : 00  
Lat1 : 20.893N Lon1 : 156.464W Lat2 : 26.328N Lon2 : 131.505W  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -127 dB  
Pass duration : 303s NOPC : 3  
Calcul freq : 401 650030.9 Hz Altitude : 0 m  
164 116 466 44  
00 00

24192 Date : 12.11.98 06:32:14 LC : Z IQ : 00  
Lat1 : ???????? Lon1 : ???????? Lat2 : ???????? Lon2 : ????????  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -128 dB  
Pass duration : 757s NOPC : 0  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
162 214 466 44  
00 00

24192 Date : 12.11.98 12:56:06 LC : 3 IQ : 68  
Lat1 : 20.905N Lon1 : 156.484W Lat2 : 16.302N Lon2 : 136.239W  
Nb mes : 004 Nb mes>-120dB : 000 Best level : -123 dB  
Pass duration : 325s NOPC : 4  
Calcul freq : 401 650014.2 Hz Altitude : 0 m  
161 44 105 197  
00 00

24192 Date : 12.11.98 14:32:32 LC : B IQ : 00  
Lat1 : 20.868N Lon1 : 156.379W Lat2 : 27.402N Lon2 : 176.324E  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -130 dB  
Pass duration : 044s NOPC : 2  
Calcul freq : 401 650030.9 Hz Altitude : 0 m  
161 344 105 197  
00 00

24192 Date : 12.11.98 16:31:07 LC : A IQ : 08  
Lat1 : 20.857N Lon1 : 156.567W Lat2 : 20.416N Lon2 : 154.945W  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -124 dB  
Pass duration : 710s NOPC : 2  
Calcul freq : 401 650013.1 Hz Altitude : 0 m  
161 389 105 197  
00 00

24192 Date : 12.11.98 17:18:11 LC : B IQ : 00  
Lat1 : 20.905N Lon1 : 156.474W Lat2 : 15.546N Lon2 : 131.274W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -127 dB  
Pass duration : 385s NOPC : 2  
Calcul freq : 401 650014.2 Hz Altitude : 0 m  
161 106 105 197  
00 00

24192 Date : 12.11.98 18:54:04 LC : B IQ : 00  
 Lat1 : 20.904N Lon1 : 156.461W Lat2 : 17.069N Lon2 : 138.943W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -125 dB  
 Pass duration : 379s NOPC : 2  
 Calcul freq : 401 650014.2 Hz Altitude : 0 m  
 162 176 105 197  
 00 01

CARAJACE  
 COIL

24192 Date : 12.11.98 18:57:14 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -127 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 162 182 105 197  
 00 00

24192 Date : 13.11.98 00:13:48 LC : B IQ : 00  
 Lat1 : 20.903N Lon1 : 156.463W Lat2 : 26.976N Lon2 : 128.909W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -126 dB  
 Pass duration : 269s NOPC : 2  
 Calcul freq : 401 650026.0 Hz Altitude : 0 m  
 164 224 167 124  
 00 00

24192 Date : 13.11.98 01:51:18 LC : 3 IQ : 60  
 Lat1 : 20.900N Lon1 : 156.458W Lat2 : 16.264N Lon2 : 176.844W  
 Nb mes : 004 Nb mes>-120dB : 000 Best level : -124 dB  
 Pass duration : 611s NOPC : 3  
 Calcul freq : 401 650026.0 Hz Altitude : 0 m  
 163 105 167 124  
 00 00

24192 Date : 13.11.98 03:41:26 LC : A IQ : 08  
 Lat1 : 20.975N Lon1 : 156.507W Lat2 : 23.839N Lon2 : 144.508W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -129 dB  
 Pass duration : 571s NOPC : 3  
 Calcul freq : 401 650010.4 Hz Altitude : 0 m  
 163 253 167 124  
 00 00

24192 Date : 13.11.98 05:17:55 LC : A IQ : 08  
 Lat1 : 20.877N Lon1 : 156.303W Lat2 : 13.030N Lon2 : 167.427E  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -130 dB  
 Pass duration : 095s NOPC : 2  
 Calcul freq : 401 650061.6 Hz Altitude : 0 m  
 162 05 167 124  
 00 00

24192 Date : 13.11.98 14:30:43 LC : B IQ : 00  
 Lat1 : 20.807N Lon1 : 156.678W Lat2 : 25.763N Lon2 : 179.005W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -131 dB  
 Pass duration : 044s NOPC : 2  
 Calcul freq : 401 650026.0 Hz Altitude : 0 m  
 162 1106 208 99  
 00 00

24192 Date : 14.11.98 01:43:48 LC : B IQ : 00  
 Lat1 : 20.895N Lon1 : 156.464W Lat2 : 17.448N Lon2 : 171.952W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -125 dB  
 Pass duration : 376s NOPC : 2  
 Calcul freq : 401 650026.0 Hz Altitude : 0 m  
 163 154 413 49  
 00 01

24192 Date : 14.11.98 03:19:43 LC : 1 IQ : 50  
 Lat1 : 20.897N Lon1 : 156.465W Lat2 : 25.787N Lon2 : 133.874W  
 Nb mes : 004 Nb mes>-120dB : 000 Best level : -126 dB  
 Pass duration : 603s NOPC : 3  
 Calcul freq : 401 650018.9 Hz Altitude : 0 m  
 162 74 413 49  
 00 00

24192 Date : 14.11.98 05:49:43 LC : A IQ : 08  
Lat1 : 20.890N Lon1 : 156.497W Lat2 : 20.477N Lon2 : 158.356W  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -128 dB  
Pass duration : 498s NOPC : 2  
Calcul freq : 401 650026.9 Hz Altitude : 0 m  
164 69 413 49  
00 00

24192 Date : 14.11.98 05:57:04 LC : A IQ : 08  
Lat1 : 20.898N Lon1 : 156.468W Lat2 : 27.782N Lon2 : 125.168W  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -128 dB  
Pass duration : 381s NOPC : 2  
Calcul freq : 401 650025.5 Hz Altitude : 0 m  
164 35 413 49  
00 00

24192 Date : 14.11.98 12:30:11 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 226 90 231  
00 00

24192 Date : 14.11.98 14:14:19 LC : 3 IQ : 68  
Lat1 : 20.898N Lon1 : 156.455W Lat2 : 24.765N Lon2 : 173.631W  
Nb mes : 004 Nb mes>-120dB : 000 Best level : -126 dB  
Pass duration : 546s NOPC : 4  
Calcul freq : 401 650007.2 Hz Altitude : 0 m  
160 69 90 231  
00 00

24192 Date : 14.11.98 15:48:09 LC : B IQ : 00  
Lat1 : 20.905N Lon1 : 156.460W Lat2 : 16.128N Lon2 : 134.175W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -133 dB  
Pass duration : 240s NOPC : 2  
Calcul freq : 401 650007.2 Hz Altitude : 0 m  
160 105 90 231  
00 01

24192 Date : 14.11.98 16:33:32 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -136 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 245 602 231  
00 05

24192 Date : 14.11.98 17:26:06 LC : A IQ : 08  
Lat1 : 20.899N Lon1 : 156.475W Lat2 : 26.592N Lon2 : 178.006E  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -127 dB  
Pass duration : 518s NOPC : 3  
Calcul freq : 401 650012.6 Hz Altitude : 0 m  
161 235 90 231  
00 00

24192 Date : 14.11.98 18:10:29 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -131 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 77 90 231  
00 00

24192 Date : 14.11.98 23:46:00 LC : B IQ : 00  
Lat1 : 20.929N Lon1 : 156.448W Lat2 : 29.358N Lon2 : 117.664W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -132 dB  
Pass duration : 044s NOPC : 2  
Calcul freq : 401 650007.2 Hz Altitude : 0 m  
162 1093 185 111  
00 00

CARRAGE  
COIL

24192 Date : 15.11.98 01:28:45 LC : B IQ : 00  
 Lat1 : 20.905N Lon1 : 156.504W Lat2 : 18.785N Lon2 : 165.948W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -126 dB  
 Pass duration : 045s NOPC : 2  
 Calcul freq : 401 650007.2 Hz Altitude : 0 m  
 162 1038 185 111  
 00 00

24192 Date : 15.11.98 02:58:26 LC : A IQ : 00  
 Lat1 : 20.907N Lon1 : 156.483W Lat2 : 28.105N Lon2 : 123.208W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -126 dB  
 Pass duration : 387s NOPC : 3  
 Calcul freq : 401 650014.3 Hz Altitude : 0 m  
 162 64 185 111  
 00 00

24192 Date : 15.11.98 04:32:26 LC : B IQ : 00  
 Lat1 : 20.931N Lon1 : 156.458W Lat2 : 17.770N Lon2 : 171.242W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -123 dB  
 Pass duration : 044s NOPC : 2  
 Calcul freq : 401 650014.3 Hz Altitude : 0 m  
 161 769 185 111  
 00 00

24192 Date : 15.11.98 05:45:29 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -129 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 161 981 189 37451  
 00 36

24192 Date : 15.11.98 07:21:16 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 161 924 185 111  
 00 00

24192 Date : 15.11.98 14:01:50 LC : A IQ : 08  
 Lat1 : 20.907N Lon1 : 156.489W Lat2 : 23.411N Lon2 : 168.052W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -127 dB  
 Pass duration : 613s NOPC : 3  
 Calcul freq : 401 650007.1 Hz Altitude : 0 m  
 160 249 339 61  
 00 00

24192 Date : 15.11.98 15:24:28 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -129 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 160 209 339 61  
 00 00

24192 Date : 15.11.98 17:06:27 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -127 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 160 807 339 61  
 00 00

24192 Date : 15.11.98 17:48:36 LC : B IQ : 00  
 Lat1 : 20.892N Lon1 : 156.442W Lat2 : 18.096N Lon2 : 147.218W  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -128 dB  
 Pass duration : 044s NOPC : 2  
 Calcul freq : 401 650007.1 Hz Altitude : 0 m  
 161 622 339 61  
 00 00

24192 Date : 15.11.98 18:16:17 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -130 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 761 339 61  
00 00

24192 Date : 16.11.98 04:59:16 LC : B IQ : 00  
Lat1 : 20.903N Lon1 : 156.425W Lat2 : 24.990N Lon2 : 137.224W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -131 dB  
Pass duration : 044s NOPC : 2  
Calcul freq : 401 650007.1 Hz Altitude : 0 m  
161 862 214 98  
00 00

24192 Date : 16.11.98 05:33:55 LC : B IQ : 00  
Lat1 : 20.928N Lon1 : 156.481W Lat2 : 30.330N Lon2 : 113.079W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -127 dB  
Pass duration : 045s NOPC : 2  
Calcul freq : 401 650007.1 Hz Altitude : 0 m  
161 1005 214 98  
00 00

24192 Date : 16.11.98 07:10:30 LC : B IQ : 00  
Lat1 : 20.839N Lon1 : 156.623W Lat2 : 19.859N Lon2 : 161.070W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -127 dB  
Pass duration : 044s NOPC : 2  
Calcul freq : 401 650007.1 Hz Altitude : 0 m  
161 991 214 98  
00 00

24192 Date : 16.11.98 12:10:50 LC : A IQ : 08  
Lat1 : 20.922N Lon1 : 156.478W Lat2 : 11.312N Lon2 : 114.662W  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -132 dB  
Pass duration : 276s NOPC : 3  
Calcul freq : 401 650012.6 Hz Altitude : 0 m  
160 92 316 66  
00 00

24192 Date : 16.11.98 13:51:27 LC : 1 IQ : 50  
Lat1 : 20.906N Lon1 : 156.481W Lat2 : 22.361N Lon2 : 162.903W  
Nb mes : 005 Nb mes>-120dB : 000 Best level : -125 dB  
Pass duration : 681s NOPC : 3  
Calcul freq : 401 650004.0 Hz Altitude : 0 m  
160 47 316 66  
00 01

24192 Date : 16.11.98 17:30:15 LC : B IQ : 00  
Lat1 : 20.903N Lon1 : 156.459W Lat2 : 16.705N Lon2 : 137.240W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -126 dB  
Pass duration : 055s NOPC : 2  
Calcul freq : 401 650004.0 Hz Altitude : 0 m  
161 880 316 66  
00 00

24192 Date : 16.11.98 18:01:46 LC : B IQ : 00  
Lat1 : 20.914N Lon1 : 156.416W Lat2 : 11.154N Lon2 : 114.233W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -135 dB  
Pass duration : 045s NOPC : 2  
Calcul freq : 401 650004.0 Hz Altitude : 0 m  
161 886 317 2114  
00 16

24192 Date : 16.11.98 23:27:57 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
161 941 155 12379  
03 00



CARADACE  
COIL

24192 Date : 17.11.98 05:34:40 LC : B IQ : 00  
 Lat1 : 20.941N Lon1 : 156.523W Lat2 : 11.875N Lon2 : 161.426E  
 Nb mes : 002 Nb mes>-120dB : 000 Best level : -127 dB  
 Pass duration : 044s NOPC : 2  
 Calcul freq : 401 650004.0 Hz Altitude : 0 m  
 161 856 219 95  
 00 00

24192 Date : 17.11.98 16:16:11 LC : Z IQ : 10  
 Lat1 : 19.245N Lon1 : 150.031W Lat2 : 20.927N Lon2 : 156.354W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -123 dB  
 Pass duration : 089s NOPC : 0  
 Calcul freq : 401 650004.0 Hz Altitude : 0 m  
 160 887 231 90  
 00 00

24192 Date : 17.11.98 18:46:55 LC : A IQ : 00  
 Lat1 : 20.918N Lon1 : 156.516W Lat2 : 24.946N Lon2 : 174.851W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -122 dB  
 Pass duration : 089s NOPC : 2  
 Calcul freq : 401 649997.8 Hz Altitude : 0 m  
 160 856 231 90  
 00 00

24192 Date : 18.11.98 06:52:56 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -129 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 159 34 389 53  
 00 00

24192 Date : 18.11.98 13:29:04 LC : A IQ : 00  
 Lat1 : 20.907N Lon1 : 156.482W Lat2 : 19.936N Lon2 : 152.211W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -124 dB  
 Pass duration : 231s NOPC : 3  
 Calcul freq : 401 650000.3 Hz Altitude : 0 m  
 159 73 206 101  
 00 00

24192 Date : 18.11.98 16:03:42 LC : Z IQ : 10  
 Lat1 : 20.946N Lon1 : 156.523W Lat2 : 16.972N Lon2 : 140.585W  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -128 dB  
 Pass duration : 089s NOPC : 0  
 Calcul freq : 401 650000.3 Hz Altitude : 0 m  
 160 871 206 101  
 00 00

24192 Date : 18.11.98 18:27:15 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 160 914 206 101  
 00 00

24192 Date : 19.11.98 02:26:53 LC : A IQ : 00  
 Lat1 : 20.835N Lon1 : 156.507W Lat2 : 12.517N Lon2 : 167.381E  
 Nb mes : 003 Nb mes>-120dB : 000 Best level : -127 dB  
 Pass duration : 089s NOPC : 3  
 Calcul freq : 401 650042.1 Hz Altitude : 0 m  
 160 853 278 75  
 00 00

24192 Date : 19.11.98 05:33:05 LC : Z IQ : 00  
 Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????  
 Nb mes : 001 Nb mes>-120dB : 000 Best level : -130 dB  
 Pass duration : ? s NOPC : ?  
 Calcul freq : 401 650000.0 Hz Altitude : 0 m  
 160 877 278 75  
 00 00

24192 Date : 19.11.98 06:40:26 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????? Lat2 : ??????? Lon2 : ?????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
160 117 278 75  
00 00

109

24192 Date : 19.11.98 07:16:10 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????? Lat2 : ??????? Lon2 : ?????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -140 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
160 92 278 75  
00 00

CAPAPACE  
COIL

24192 Date : 19.11.98 13:19:07 LC : 2 IQ : 68  
Lat1 : 20.906N Lon1 : 156.481W Lat2 : 18.694N Lon2 : 146.791W  
Nb mes : 004 Nb mes>-120dB : 000 Best level : -124 dB  
Pass duration : 735s NOPC : 3  
Calcul freq : 401 649997.5 Hz Altitude : 0 m  
159 105 191 109  
00 00

24192 Date : 19.11.98 14:58:46 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????? Lat2 : ??????? Lon2 : ?????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -131 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
159 291 191 109  
00 00

24192 Date : 20.11.98 06:26:51 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????? Lat2 : ??????? Lon2 : ?????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -135 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
160 372 244 85  
00 00

24192 Date : 20.11.98 06:55:51 LC : A IQ : 00  
Lat1 : 20.914N Lon1 : 156.484W Lat2 : 13.223N Lon2 : 169.066E  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -128 dB  
Pass duration : 299s NOPC : 3  
Calcul freq : 401 649996.6 Hz Altitude : 0 m  
159 119 244 85  
00 00

24192 Date : 20.11.98 13:06:56 LC : A IQ : 08  
Lat1 : 20.909N Lon1 : 156.480W Lat2 : 17.529N Lon2 : 141.244W  
Nb mes : 003 Nb mes>-120dB : 000 Best level : -125 dB  
Pass duration : 480s NOPC : 3  
Calcul freq : 401 649996.2 Hz Altitude : 0 m  
159 212 189 110  
00 00

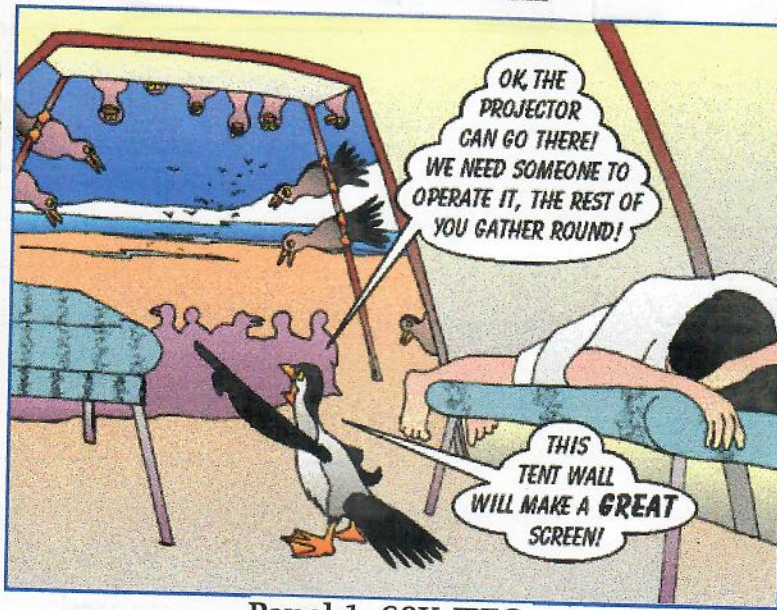
24192 Date : 20.11.98 18:59:00 LC : B IQ : 00  
Lat1 : 20.924N Lon1 : 156.493W Lat2 : 16.971N Lon2 : 138.880W  
Nb mes : 002 Nb mes>-120dB : 000 Best level : -125 dB  
Pass duration : 044s NOPC : 2  
Calcul freq : 401 649996.2 Hz Altitude : 0 m  
159 913 189 110  
00 00

24192 Date : 21.11.98 02:25:10 LC : Z IQ : 00  
Lat1 : ??????? Lon1 : ????????? Lat2 : ??????? Lon2 : ?????????  
Nb mes : 001 Nb mes>-120dB : 000 Best level : -133 dB  
Pass duration : ? s NOPC : ?  
Calcul freq : 401 650000.0 Hz Altitude : 0 m  
159 798 299 69  
00 00

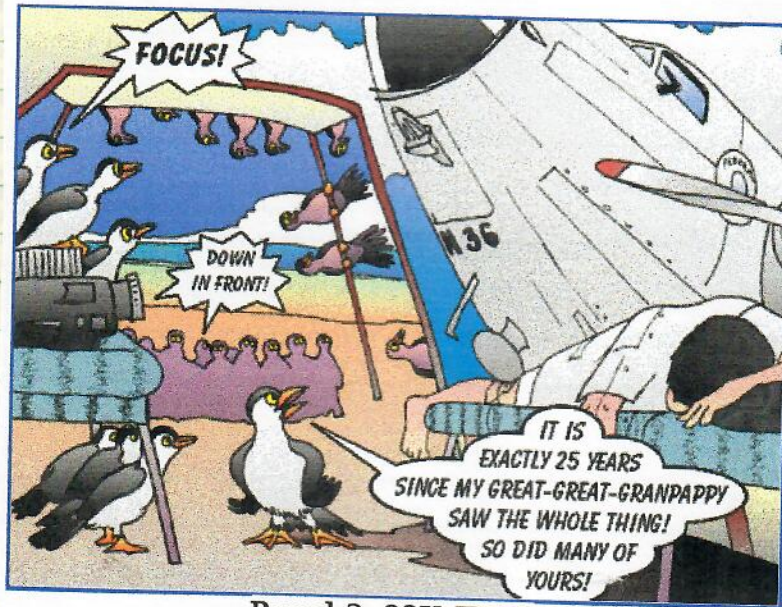
Go to  
page 5 in  
Book 3

# A Tern Lecture - 98/08/15

<http://www.turtles.org/t980815.htm>

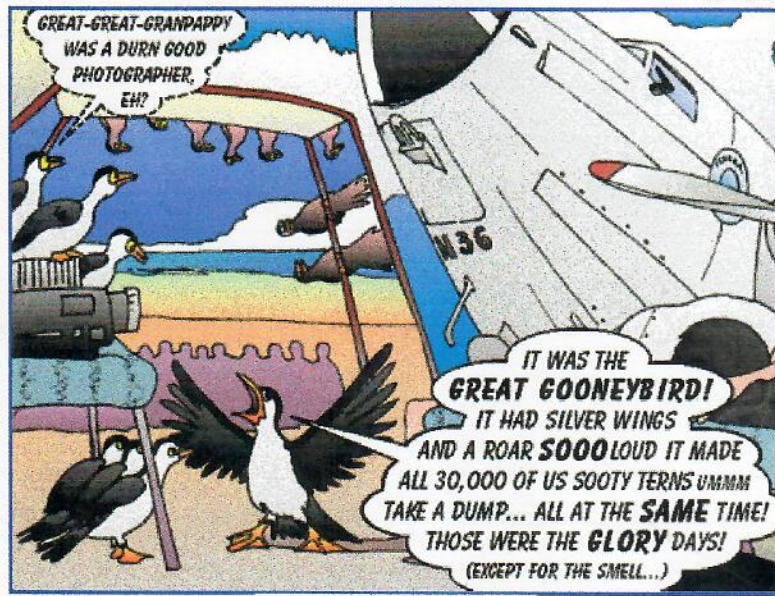


Panel 1: 68K JPEG



Panel 2: 83K JPEG

Do to  
 take 2 in  
 back 3



Panel 3: 88K JPEG

The *Turtle Trax* Toon is conceived and drawn by [howzit@turtles.org](mailto:howzit@turtles.org) (Ursula Keuper-Bennett).

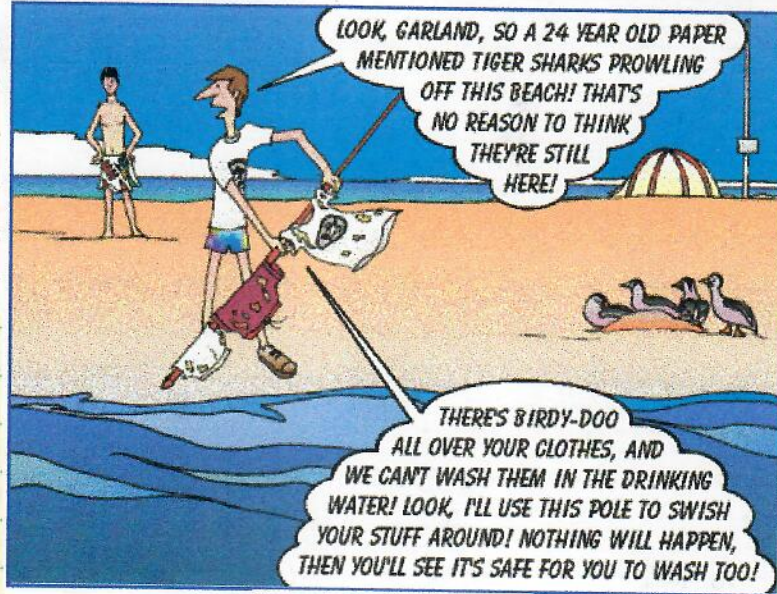
This series of toons celebrates the 25th anniversary of the sea turtle research program at the French Frigate Shoals. For more information about the natal home of the Hawaiian green turtle, visit our [French Frigate Shoals Anniversary pages](#).

# Turtle Trax Toon

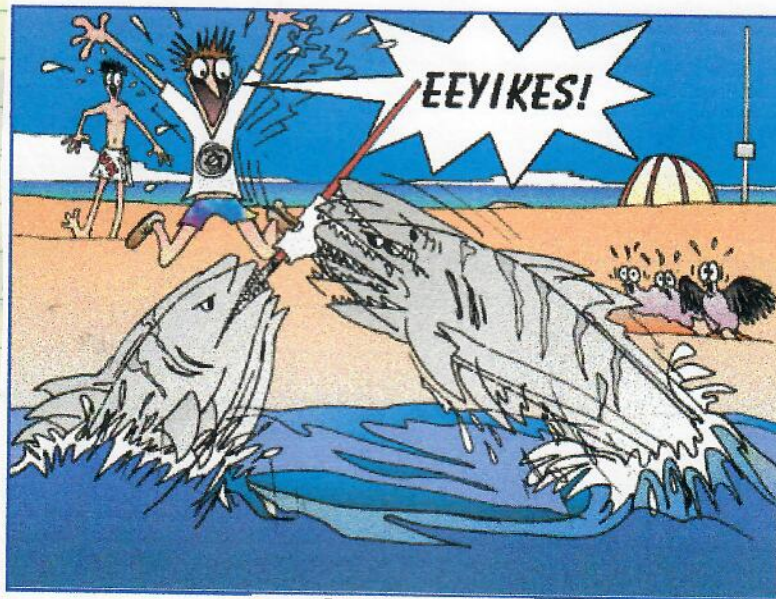


Turtle Trax Characters

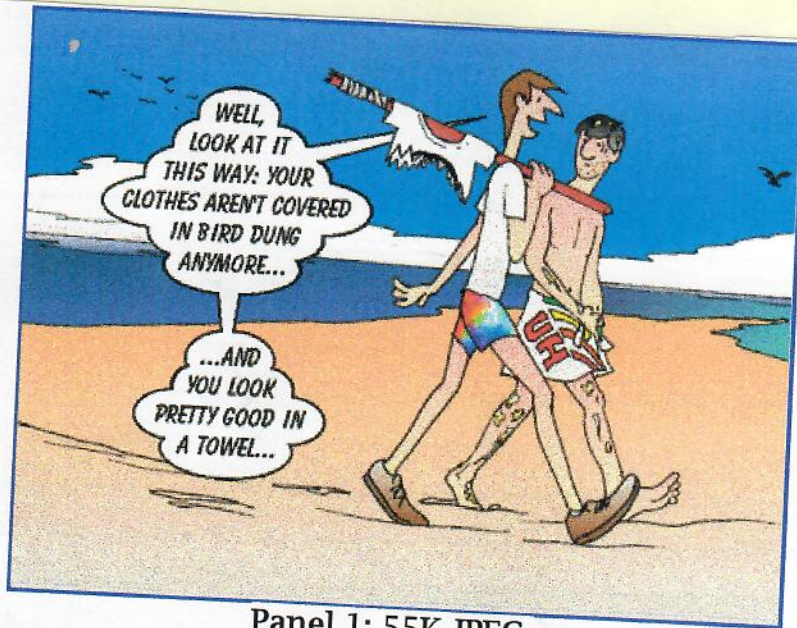
## Clothes Encounter



Panel 1: 80K JPEG



Panel 1: 82K JPEG

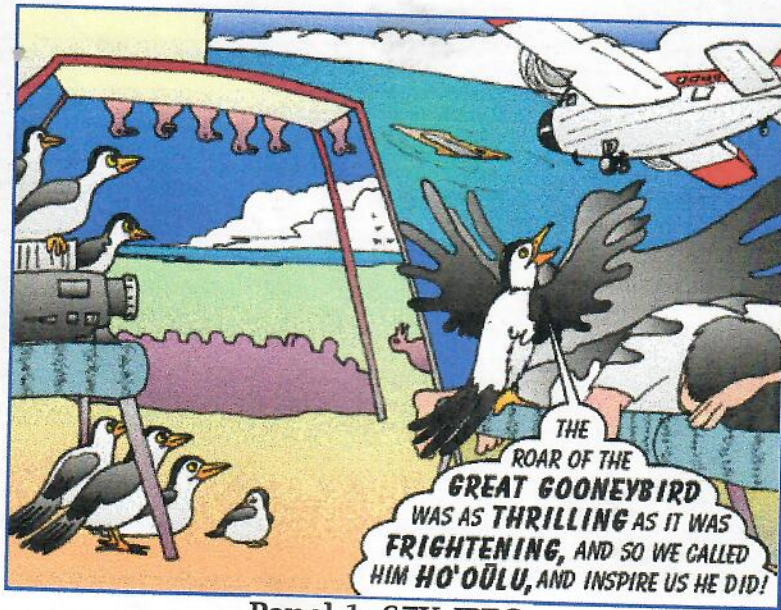


Panel 1: 55K JPEG

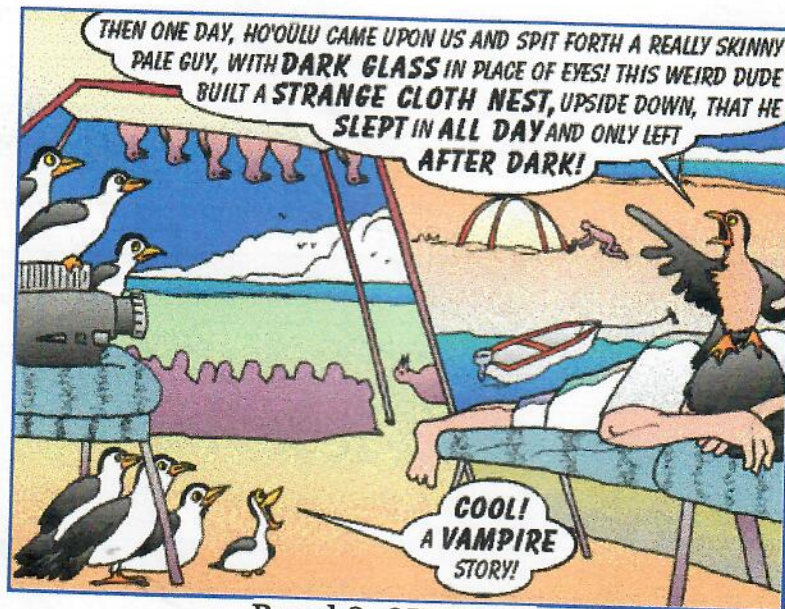
This series of toons celebrates the 25th anniversary of the sea turtle research program at the French Frigate Shoals. For more information about the natal home of the Hawaiian green turtle, [visit our French Frigate Shoals Anniversary pages.](#)

The *Turtle Trax* Toon is conceived and drawn by [howzit@turtles.org](mailto:howzit@turtles.org) (Ursula Keuper-Bennett).

## In Tents Story - 98/08/22

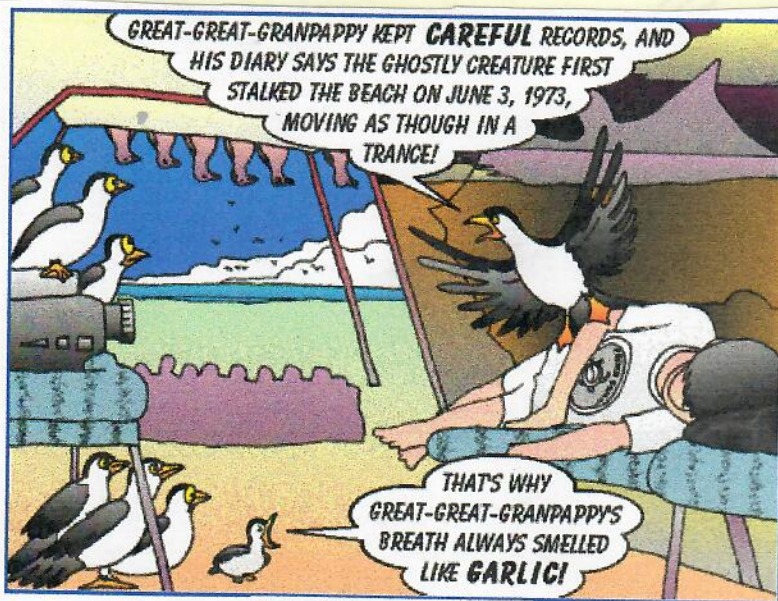


Panel 1: 67K JPEG



Panel 2: 65K JPEG

Panel 1: 82K JPEG



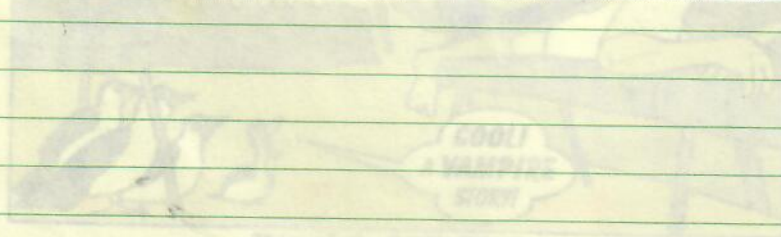
Panel 3: 68K JPEG

The *Turtle Trax Toon* is conceived and drawn by [howzit@turtles.org](mailto:howzit@turtles.org) (Ursula Keuper-Bennett).

Ho'oulu: Hawaiian for "possessed/inspired by a spirit."

This series of toons celebrates the 25th anniversary of the sea turtle research program at the French Frigate Shoals. For more information about the natal home of the Hawaiian green turtle, [visit our French Frigate Shoals Anniversary pages.](#)





Panel 2: 55K PEG

Date: Mon, 06 Jul 1998 21:44:51 -1000  
From: Ursula Keuper-Bennett <howzit@turtles.org>  
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
Subject: N36 FYI

FFS  
98

117

George, Harry is trying to sell her. Says it'd cost \$80 000 to get her to fly and he doesn't have the money. Told him the plane was special and beautiful and he smiled and said that's what his wife says.

Jim (the other guy there) told me it was fortunate I showed up because there is no guarantee she'll be there next time. I pondered whether to tell you this or not but decided if it were me and I loved this plane I'd want to know.

Harry runs the engines once a week. Did you know that? I was offered a chance to go inside but simply couldn't. (Regret it a bit now but I don't believe I could have handled that)

Harry flew into FFS in 74 for a year. He showed me his FFS photos and I actually left him showing others and talking story about that time. I wish I could have spent more time with him.

I guess what I am telling you is if you got any last things to do 'round that plane, do it...even if it breaks your heart and brings you to tears. You will be glad you did.

Not too proud to say I had tears streaming down my face at times but they weren't tears of sadness but pure joy that there was a plane with such a record and history. I also hope she will get sold and maybe someone will cough up the \$80000 it would take to get her in the air again.

If not, Peter said using her parts to keep other DC3's to fly is an honourable end.

I will be writing about her for this week's Trax FFS update. Shot 26 pictures and almost an hour's worth of video of her. Will share it all with you. Hope you think it was ok for me to touch her George even though you couldn't.

She shaded me from the sun out there and for three hours she was my only company.

Something else. Harry has her complete flight record but my voice was too choked up to ask to have a look at it. I bet your June 1st trip is in there. Just thought I'd tell you that.

Lastly I walked around every square inch of her four times over the three hours. I can draw her by heart even her undercarriage. 'Examined every rivet, the way the door handle works and the lock at the left. I can close my eyes and draw her.

Just like with those photos you sent me, N36 is now tucked safe and warm inside my head.

Oh how I wish she was still flying!

P.S. That's why I took the three identical parts with Harry's blessing. She might get sold soon. You got anything else to say to N36 do it, George.

Very tired forgive any typos --a very big day today....

Date: Wed, 01 Jul 1998 06:24:14 -1000  
 From: Ursula Keuper-Bennett <howzit@turtles.org>  
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
 Subject: Perhaps you remember this dude

FFS Book  
 reduce

Record 89

Continue to visit the FFS homepage regularly. Jerry (webmaster there) has been very supportive of Trax (sent me an electronic postcard the other day sending Trax his best). We're kind of sister pages now --we link to him --he to us.

Found this when I surfed to his site this AM. Thought you'd be interested.

Name: Michael Barclay

Website:

Referred by: Net Search

From: Richmond, VA

Time: 1998-06-24 13:40:00

Comments: Great pictures! I was a SNET/ET3 on Frigate from April '76 to April '77. A couple weeks ago I was watching a show on public TV about sharks and saw George Balaz (sp?) interviewed. We referred to him as 'Turtle George' when he came out to FFS to do his research. On the show they filmed sharks chowing down on monk seals some where in 'a nature preserve NW of Hawaii'; for some reason they didn't just come out and say FFS.

FFS

Date: Mon, 06 Jul 1998 21:23:34 -1000  
 From: Ursula Keuper-Bennett <howzit@turtles.org>  
 To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>  
 Subject: video images for you

George, Peter has posted some of the video images I trapped onto a private location on Trax. He made it into a directory so it would be easy for you. Please visit:

<http://www.turtles.org/n36>

Image 1 Me attaching to three lies to N36's left wheel

Image 2 Was lucky. Showed up and wept at the sight of N36 and then there was this noise. I turned round and the other DC3 was taking off. The gray in the left hand corner is the exhaust blast. I really felt it!

Image 3 The faded A and A in FAA on her right tail section. Try as I could there was no evidence of the logo N36 anywhere. Could still make out the circular patch under pilot's window that had Federation Aviation Association on it though..

Image 4 My favourite. N36 from taped from behind showing her left side and wing. She is BEAUTIFUL even in primer.

Image 5 N36's lei when I was finished attaching them.

Image 6 Harry said I could have three small parts from N36 and I chose three identical I don't know what they are. But Peter's already got his around his keychain and I will be carrying mine like that too. Will send the third to you IF you are comfortable with that.

I'll explain in next message why I took back a part for each of us.

Image 7 My hand on N36's tail section in my last walk around her before leaving. Hard to say good-bye wept openly and had to collect myself sufficiently to show Harry and parts and make sure I was allowed to take them. Then I had to call for the taxi.

See next message



Date: Mon, 21 Sep 98 09:42:16 -0700  
 From: dominique\_aycock@mail.fws.gov  
 To: gbalazs@honlab.nmfs.hawaii.edu  
 Subject: Re[2]: IMPORTANT: Satellite-tagged turtles at FFS

*Dominique*

Hi George,

OK, I passed the information to Brian that you asked. He gave me some stuff to pass on to you now. Here goes...

They have ended the turtle season. They had 4 nights in a row with no turtles up. It ended on the same day as last year.

Also they have been watching for your Satellite-tagged turtles, but have not seen any. They went to East Island on 9/15 and saw none there either.

I hope all of this is clear.

I will talk to you soon.

Dominique

Reply Separator

Subject: Re: IMPORTANT: Satellite-tagged turtles at FFS  
 Author: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> at ~internet  
 Date: 9/20/1998 11:53 AM

Dear Dominique- I've just returned from Mexico meeting. Please relay to Brian that two turtles of our satellite transmitters are half way back to the mainland islands as of this weekend. The other two are still at FFS, so maybe Julie will see the one nesting again on Tern.

What is the date for the next flight to Tern? I have a 5 lb box to send for Brian. Aloha, George

\*\*\*\*\*

On Mon, 14 Sep 1998 dominique\_aycock@mail.fws.gov wrote:

>  
 > Dear George,  
 >  
 > I spoke with Brian this morning, and asked him about the turtles. He  
 > said that they haven't been to East Island since you left and there  
 > have been none of your turtles on Tern Island. I hope this is all you  
 > needed to know. Let me know if there are any more messages to pass on  
 > to Brian.  
 >  
 > Dominique

Reply Separator

> Subject: IMPORTANT: Satellite-tagged turtles at FFS  
 > Author: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> at ~internet  
 > Date: 9/13/98 11:09 AM

Date: Mon, 21 Sep 98 07:57:13 -0700  
 From: dominique aycock@mail.fws.gov  
 To: gbalazs@honlab.nmfs.hawaii.edu  
 Subject: Re[2]: IMPORTANT: Satellite-tagged turtles at FFS

*Reduce*

*need sent 10/4/98 to Tern*  
 ① Osborne  
 need ② salt  
 ③ migration maps  
 ④ PIT TA

Hello George,

I will pass that info on to Brian. The next flight to Tern is Oct 6. You can drop the box by any time. If I am not here, just leave it in the Tern Island Mail box in my office (the Radio Room) or on my desk with note.

I hope your trip to Mexico went well. I am glad to hear that the new transmitters are working. It all sounds so exciting.

Have a great day.

Dominique

Reply Separator

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 Author: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> at -internet  
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Reply Separator

> Subject: IMPORTANT: Satellite-tagged turtles at FFS  
 > Author: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu> at -internet  
 > Date: 9/13/98 11:09 AM

> Dominique- I don't know how frequently Brian may be accessing his email

> at Tern. So could you please ask on the radio: What satellite tagged  
 > turtle might they have seen since we left on September 1st? It would be  
 > valuable for me to know ASAP.

> In a separate message I will supply all of you with the details of our  
 > deployment this season, and what we see happening so far via the Argos  
 > positional data. Aloha and Mahalo, George

1998 Summary Report on the Methodologies Developed and Currently in use for Remote Field Studies of Nesting Green Turtles at French Frigate Shoals

In fulfillment of NOAA Requisition Number NFFR6500810149

By Tim Clark  
July 13, 1998

**PIT tag application procedures:**

Passive Integrated Transponder (PIT) tags are internal, magnetically encoded tags which allow individual animals to be identified using a special scanner. Tags used at French Frigate Shoals are factory loaded in a large gauge needle and come in sterile packages. The tags are injected sub-cutaneously using an applicator supplied with the tags.

PIT tags may be applied while a turtle is crawling, beginning a body pit, patty-caking, or backfilling. We have found it easier if the turtle has finished laying eggs and is either patty-caking or backfilling. The turtle goes into a "trance-like" state during this time and has very little reaction to the needle. Turtles should not be tagged while digging a body pit or egg chamber since this may cause a nest to be abandoned.

Materials needed:

PIT tags  
PIT tag applicator  
70% alcohol  
Small squirt bottle for alcohol  
Cotton balls or gauze pads  
Small, sealable container for temporary needle storage  
Sharps container

Procedures:

- a) Approach the turtle from behind with a small penlight or muted flashlight. Holding a penlight between your teeth frees both hands for tagging.
- b) Assemble the needle and applicator. Remove the needle from its sterile package. Notice that the tip of the needle is beveled. When properly assembled, the bevel of the needle will be facing up when the needle is being inserted into the flipper. This allows the PIT tag to be supported by the bottom of the needle and reduces the risk of the tag falling out of the needle before it is in the turtle.
- c) Slide the white sliding piece on top of the applicator back to expose the needle chamber. Remove the needle from its sterile package and slide the rectangular end into the exposed chamber, with the bevel of the needle facing up. The rectangular end of the needle should be flush with the top of the applicator when properly seated. Lock the needle in place by pushing the white slide forward to completely cover the rectangular needle end.
- d) Hind flipper tags should be injected 2-3 scutes above (proximal to) the hind flipper claw and about 1/3 flipper width in (medial) from the outside flipper edge. Palpating the flipper will help in determining a suitable location. Tags should be placed between the 2<sup>nd</sup> and 3<sup>rd</sup> bones medial to the outside edge. The object is to place the tag in a fleshy part

of the flipper but away from any bones. The needle will be inserted between two flipper scutes in this general area.

e) Clean and sterilize the insertion area using a 70% solution of alcohol. A small squirt bottle can be used to direct a stream of alcohol to this area with enough force to remove sand grains. Cotton balls or a gauze pad should also be used to scrub the area to remove algae and debris.

f) Insert the needle subcutaneously into the soft area between the flipper scutes. Insertion should be one smooth forceful motion where the needle breaks the skin and is inserted up to the collar on the needle. Keep the needle parallel to the flipper so it goes just under the skin and not into the muscle. The turtle will often pull the flipper towards her body when the needle is inserted into her flipper. If the flipper is at an angle to the turtles body, it should be repositioned so that it is in line with the body. Otherwise, when the turtle pulls its flipper in, the needle is pulled sideways and will either rip out of the turtle or break the applicator.

g) Inject the PIT tag by pushing the white sliding pin on top of the applicator forward. This pushes a rubber plunger against the PIT tag, injecting it into the flipper. A slight forward pressure should be kept on the needle to keep it from backing out while the tag is injected. If the needle starts to back out while the tag is being injected, reposition the needle slightly and try again. In some cases the needle may have to be removed and relocated to a different part of the flipper where it can be injected without obstruction.

h) Remove the needle and place the protective cover back on. Used needles should be disposed of as medical waste in an approved sharps container. A small, sealable container can be use as a temporary waste container while on a turtle walk.

Record the PIT tag number and the flipper it was inserted into in the field notebook with a notation indicating it is a new tag for the year. A separate PIT tag notebook should also be kept including a record of every turtle nesting during the season and the PIT tags applied to the turtle.

Four labels are supplied on the PIT tag package. One can be placed in the field notebook, one on the ID data sheet, and one in the PIT tag notebook. One is extra.

#### Safety Precautions:

Make sure the first aide kit on East Island is well stocked with gauze pads and roller bandages. Lacerations and puncture wounds are the most likely types of accidents to occur from PIT tags. All turtle personnel should know how to treat these types of wounds. Accidents should be reported to the Tern Island manager.

The needle used to insert the PIT tag into a turtle is extremely sharp. It should be kept covered with its plastic safety cap until you are ready to insert the needle and should be



re-covered immediately after the needle is removed from the flipper. Keep the exposed needle pointed away from your body at all times.

Turtles occasionally have violent reactions to a needle being inserted into their flipper. The turtle may crawl away quickly and violently. Let go of the applicator in these situations and back away from the turtle. Trying to hold onto the applicator can cause the needle to be pulled from the applicator by the force of the turtle, breaking the applicator and causing an exposed needle to be lost in the sand or flung toward you. A turtle that is reacting strongly to your presence can usually be PIT tagged in two steps. First, quickly insert the needle into the flipper in one smooth thrust, then let go of the applicator as the turtle moves away. Usually the needle will stay in the flipper on its own. Once she has stopped moving, re-approach the turtle and push the PIT tag into the flipper.

#### **Satellite transmitter removal**

Satellite transmitters allow animals to be remotely tracked by satellite. The transmitter determines the position of the animal in relation to the position of Argos satellites overhead. This information is transmitted to the satellites and can be downloaded onto a computer.

Transmitters have been occasionally placed on green sea turtles in Hawaii since 1992 to determine migratory routes and swimming behavior between nesting and feeding grounds. Retrieval of old transmitters are desirable since they can be refurbished and reused for a fraction of the cost of a new one. Emergence of female sea turtles onto their natal nesting beaches allows researchers an easy opportunity to retrieve transmitters.

Transmitters are easy to recognize. They are 7"X4"X1½ " brown boxes attached to the top of the turtles carapace. They may have an antenna attached, but this usually breaks off before retrieval. The transmitter sits on a 1/4" silicone base pad and is attached to the carapace with 2-4 layers of fiberglass cloth draped over the top of the transmitter and down the side of the carapace.

#### Materials:

- Hacksaw
- Large flat blade screwdriver or small pry-bar

#### Procedure:

- a) Satellite transmitters should be removed while turtles are crawling or have finished nesting to avoid abandonment of possible nests. Removal takes five to ten minutes, therefore the turtle should be a sufficient distance away from the berm so that she can not easily retreat into the water before you finish.
- b) Cut around the base of the transmitter using a hacksaw. The objective is to cut through the fiberglass cloth at the level of the rubber base pad without damaging the turtle or the transmitter. It is easiest to cut the corners first and then the sides.
- c) Once the fiberglass cloth has been cut on all four sides of the transmitter, use the screwdriver to pry the transmitter up. There will be a small amount of suction holding the transmitter in place. If the transmitter does not come off with a moderate amount of pressure, continue cutting since you probably did not completely cut through the fiberglass the first time.

Transmitters should be returned to George Balazs.

### Data logger deployment

Sea turtles show temperature dependent sexual differentiation (TSD). There is a window of approximately one degree Celsius where a mixture of males and females will develop, with a 50:50 ratio at a pivotal temperature. Turtles incubated below the pivotal temperature will be mostly males, and those above the pivotal temperature will be mostly females. In green sea turtles this pivotal temperature has been shown to be 28.26 degrees Celsius (Ackerman, 1997). Ambient soil temperature at the depth of sea turtle egg incubation is thus an important indicator of the sex ratio of the hatchlings.

Temperature data loggers record temperature at a pre-programmed time cycle. They have been used on Tern and East Islands since 1995 to record ambient soil temperature at various locations around the islands. In 1998 they were also placed in the middle of turtle nests to record nest temperature. Data loggers are attached to a 4-meter rope with marks at 45 cm and 50 cm.

#### Materials:

Data loggers  
Stakes  
Sledge hammer  
Shovel  
Compass  
100' tape measure

#### Procedure:

- a) Ambient soil data loggers should be buried at a depth of 45-50 cm. Maps of deployment on East and Tern Island along with previous season's deployments should be used to place data loggers in the same locations each year. Soil data loggers should be buried at the beginning of the season so data is collected throughout the nesting season.
- b) Nest data loggers should be placed in the nest while the turtle is laying eggs. She will be covering the egg chamber with her hind flippers while laying. Gently pulling the medial edge of the flipper up will allow you to see the eggs without disturbing the turtle. Place the data logger in the middle of the nest after the female has deposited half her eggs. Make sure the end labeled "sensor end" is placed so eggs completely surround it on all sides. Lay the marker rope perpendicular to and upwind of the nest so the turtle will not bury it while backfilling.
- c) Tie the rope from the data logger to a stake set a couple of feet from the data logger location. This should be done the day after nesting for nest data loggers to avoid unnecessary disturbance to turtles and seals.
- d) Record bearings and distance from two fixed landmarks to the stake. Landmarks should be as close to 90 degrees as possible from the stake. This is in order to get a good fix on the stake and to help in the retrieval of data loggers at the end of the season.
- e) If data loggers are dug up during the season, re-bury them in the same location and record the date re-buried. Nest data loggers should also be re-buried, even though they will no longer be recording nest temperatures.

### East Island Turtle Patrol

Turtle camp on East Island provides a long-term index of the green sea turtle population in the Hawaiian Islands. Monitoring of nesting sea turtles started on East Island in 1973 and has continued uninterrupted since then. The duration of turtle camp has varied throughout the years, but currently a mathematical model allows us to estimate the nesting population with 30 days of monitoring effort. Turtle camp usually lasts 32 nights to allow for two nights of training at the beginning of the season.

Nightly surveys of nesting female turtles should occur about every two hours, starting at 2100. An optional walk at 1900 may be helpful to locate where seals are hauled up so that they can be avoided during the night.

#### Materials:

The turtle vest should have the following items:

- Moto-tool
- White spray paint
- Field notebook
- PIT tag notebook
- 2 Pencils
- D-cell flashlight
- Penlight
- Cloth measuring tape
- PIT tags
- PIT tag applicator
- Alcohol in small squirt bottle (to sterilize flipper for PIT tag)
- Cotton balls (to scrub PIT tag site)
- Small sharps container (for used PIT tag needles)
- Straight calipers (carried at beginning of season)

When a turtle is seen, she should be identified and information about her nightly activity and identity should be recorded in the field notebook. This includes her moto-tool number, the time she was seen, her activity, and her location on the island. This information should be recorded any time a turtle is encountered.

If it is a new turtle for the season, the first priority is to engrave a moto-tool number on her carapace. Moto-tool numbers allow the turtle to be identified on subsequent walks without interrupting her nesting activity. Identification should only be done when the turtle is crawling, patty-caking, or backfilling to avoid possible abandonment of a nest. Once a turtle is given a moto-tool number, the following information should be recorded.

a) Record sightings information every time a turtle is seen – note the time the turtle was

seen, her activity, and her location on the island.

- b) Check for old tags - check all four flippers for external, metal tags and check both hind flippers for internal PIT tags.
- c) Examine her for tumors or injuries. This can usually be done while checking for old tags.
- d) Measure her curved carapace length.
- e) Measure her straight carapace length.
- f) Insert PIT tags if needed.
- g) Update the needs list.

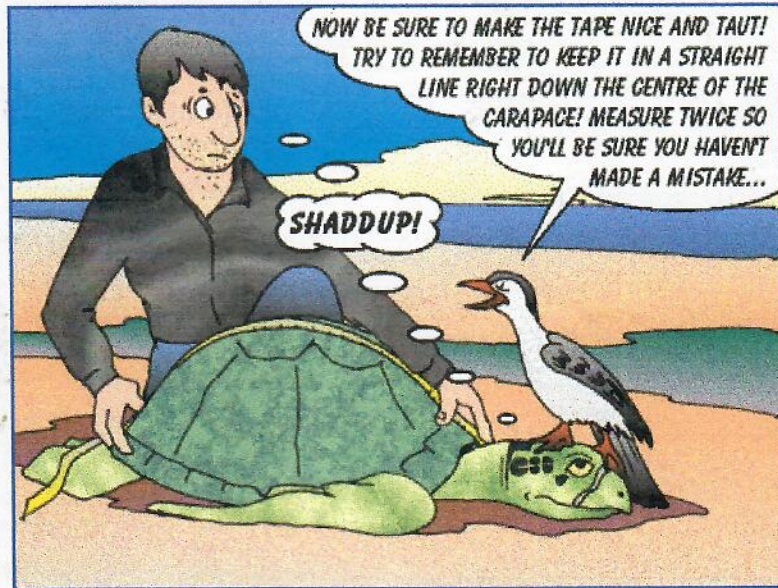
Most turtles should be identified and a majority of the work done after the first two weeks of turtle camp. The second two weeks are used to finish off items on the needs list and to verify PIT tags.

PIT tags are verified using the PIT tag scanner during the last two weeks of camp. The tag number is recorded on the Turtle Sightings form under the columns "Vertagno". If a PIT tag is missing a new tag should be applied. Missing tags should be noted and reported in the end of season report.

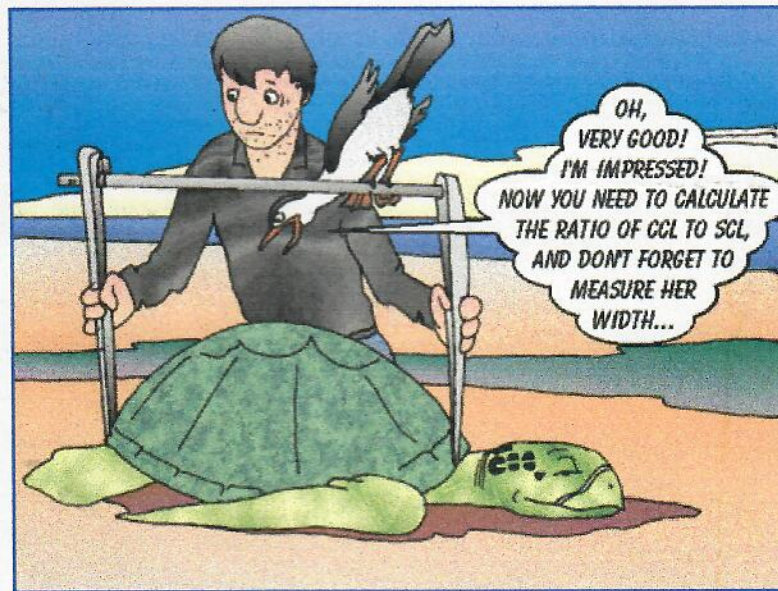
The Turtle Trax  
Keuper (1991)

This series of ten  
programs at the  
the Hawaiian gr

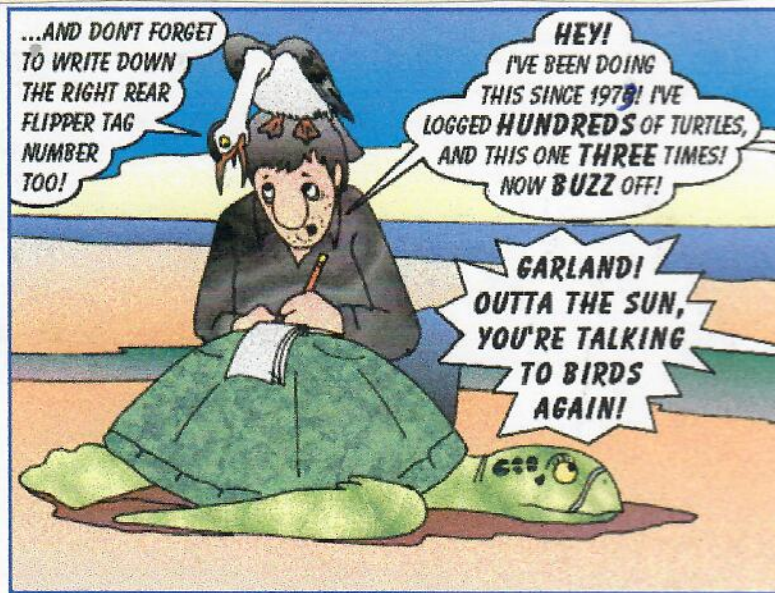
## A Bird Of Advice - 98/07/18



Panel 1: 71K JPEG



Panel 2: 62K JPEG



Panel 3: 78K JPEG

The *Turtle Trax* Toon is conceived and drawn by [howzit@turtles.org](mailto:howzit@turtles.org) (Ursula Keuper-Bennett).

This series of toons celebrates the 25th anniversary of the sea turtle research program at the French Frigate Shoals. For more information about the natal home of the Hawaiian green turtle, [visit our French Frigate Shoals Anniversary pages.](#)

