## Five ARSR views of AAL77 from 12:55:06.2Z thru 12:57:56.9Z

This file created July 8, 2009. Data compiled from the following FAA FOIA files as found on http://aal77.com/...

"1 ZID 54 QBE Beacon Data.pdf", "1 ZID 55 QBE2 Primary Targets.pdf", and "1 ZID 42 NTAP.pdf"

QRI showed no primary target on AAL77 during period analyzed. Squawk was 3743 until Line 43. Mode C of all transponder replies was 35,000 ft.

The point of this analysis is to exemplify that there is considerable radar data that is NOT utilized.

Note: Radar data from 3 other ARSRs within range (PIT, IND, & QRM) has not been found in the aal77.com FOIA data.

©2009 by TomLusch.com

2 12:55:06.4 CLE 195.820 157.000 Y Y Y N Note: CLEidentifier i 3 12:55:07.4 QRI 6.855 112.875 Y -N-N N 4 12:55:09.5 QWO 147.304 76.125 Y Y N 5 12:55:10.0 QBE 298.388 165.125 Y Y N 6 12:55:10.0 QBE 298.388 165.125 Y Y N 7 12:55:17.4 QRI 6.328 112.125 Y Y N 8 12:55:18.3 QHY 274.833 51.875 Y N Y ON ZID display at X=3 12:55:19.6 QWO 148.183 76.125 Y Y N 10 12:55:21.9 QBE 297.861 165.875 Y Y N 11 12:55:27.4 QRI 6.328 111.250 Y -N-N N 12 12:55:27.7 QWO 149.062 76.250 Y Y N 12 12:55:30.2 QHY 273.779 53.000 Y N Y ON ZID display at X=3 12:55:33.9 QBE 297.509 166.625 Y Y N 16 12:55:37.5 QRI 5.499 110.375 Y -N-N N 17 12:55:37.5 QRI 5.499 110.375 Y -N-N N 18 12:55:42.2 QHY 272.460 54.125 Y Y N 19 12:55:45.8 QBE 296.982 167.125 Y Y N 19 12:55:45.8 QBE 296.982 167.125 Y Y N 10 12:55:57.5 QRI 5.499 110.375 Y -N-N N 10 12:55:57.5 QRI 5.499 110.375 Y -N-N N 17 12:55:57.5 QRI 5.499 110.375 Y -N-N N 18 12:55:45.2 QHY 272.460 54.125 Y Y N 19 12:55:45.2 QHY 272.460 54.125 Y N Y N 20 12:55:545.8 QBE 296.982 167.125 Y Y N 21 12:55:57.5 QRI 5.499 109.250 Y -N-N N 22 12:55:57.5 QRI 5.499 109.250 Y -N-N N 23 12:55:59.7 CLE 197.050 161.250 Y Y N 24 12:55:59.7 QRI 5.009 109.250 Y -N-N N 25 12:55:57.7 QRI 5.009 109.250 Y -N-N N 26 12:55:57.7 QRI 5.009 109.250 Y -N-N N 27 12:55:57.7 QRI 5.009 109.250 Y -N-N N 28 12:56:07.2 CLE 197.066 163.750 Y Y N 29 12:56:07.2 CLE 197.066 163.750 Y N N Y On ZID display at X=3 12:56:07.2 CLE 197.066 163.750 Y N N N N N N N N N N N N N N N N N N	Comments 362.6875, Y=216.1875 s also known as QDB. 361.3750, Y=215.3750
2	s also known as QDB.
3   12:55:07.4   QRI   6.855   112.875   Y   -N-   N	Ì
5         12:55:10.0         QBE         298.388         165.125         Y         Y         N           6         12:55:16.5         CLE         196.083         157.875         Y         Y         N           7         12:55:17.4         QRI         6.328         112.125         Y         N         Y         On ZID display at X=3           9         12:55:19.6         QWO         148.183         76.125         Y         Y         N         Y         On ZID display at X=3           9         12:55:21.9         QBE         297.861         165.875         Y         Y         N         Y         N           10         12:55:26.6         CLE         196.611         158.875         Y         Y         N           12         12:55:27.4         ORI         5.800         111.250         Y         N         N         Y         On ZID display at X=3           13         12:55:30.2         QBY         273.779         53.000         Y         N         Y         N         On ZID display at X=3           16         12:55:30.8         CLE         196.699         160.000         Y         N         N         N         On ZID display at X=3	361.3750, Y=215.3750
6         12:55:16.5         CLE         196.083         157.875         Y         Y         N           7         12:55:17.4         QRI         6.328         112.125         Y         -N         N           8         12:55:18.3         QHY         274.833         51.875         Y         N         Y         On ZID display at X=3           9         12:55:21.9         QBE         297.861         165.875         Y         Y         N           10         12:55:22.4         QRI         5.800         111.250         Y         -N         N           13         12:55:27.4         QRI         5.800         111.250         Y         N         N           14         12:55:30.2         QHY         273.779         53.000         Y         N         Y         On ZID display at X=3           15         12:55:30.9         QBE         297.509         166.625         Y         Y         N         N           16         12:55:30.8         CLE         196.699         160.000         Y         N         N         N         N           18         12:55:30.8         CLE         196.699         160.000         Y         N <td>361.3750, Y=215.3750</td>	361.3750, Y=215.3750
Total	661.3750, Y=215.3750
8         12:55:18.3         QHY         274.833         51.875         Y         N         Y         On ZID display at X=:           9         12:55:19.6         QWO         148.183         76.125         Y         Y         N           10         12:55:21.9         QBE         297.861         165.875         Y         Y         N           11         12:55:22.4         QRT         5.800         111.250         Y         -N-         N           12         12:55:27.4         QRT         5.800         111.250         Y         -N-         N           13         12:55:29.7         QWO         149.062         76.250         Y         Y         N           14         12:55:30.2         QBY         273.779         53.000         Y         N         Y         On ZID display at X=:           15         12:55:36.8         CLE         196.699         160.000         Y         N         N         N           16         12:55:36.8         CLE         196.699         160.000         Y         N         N         N         On ZID display at X=:           19         12:55:43.8         QBE         296.982         167.125	661.3750, Y=215.3750
9	61.3750, Y=215.3750
10   12:55:21.9   QBE   297.861   165.875   Y	
11   12:55:26.6   CLE	
12   12:55:27.4   QRI   5.800   111.250   Y   -N-   N	
13   12:55:29.7   QWO	
14         12:55:30.2         OHY         273.779         53.000         Y         N         Y         On ZID display at X=3           15         12:55:33.9         QBE         297.509         166.625         Y         Y         N           16         12:55:33.8         CLE         196.699         160.000         Y         N         N           17         12:55:37.5         QRI         5.449         110.375         Y         -N-         N           18         12:55:39.9         QWO         150.380         76.625         Y         Y         N           19         12:55:42.2         QHY         272.460         54.125         Y         N         Y         On ZID display at X=3           20         12:55:46.9         CLE         197.050         161.250         Y         Y         N         Y           21         12:55:46.9         CLE         197.050         161.250         Y         Y         N         Y           22         12:55:47.5         QRI         5.009         109.250         Y         N         N         Y         N           23         12:55:540.9         QHY         271.142         55.125	
15	VO 1075 N 214 4275
16         12:55:36.8         CLE         196.699         160.000         Y         N         N           17         12:55:37.5         QRI         5.449         110.375         Y         -N-         N           18         12:55:39.9         QWO         150.380         76.625         Y         Y         N           19         12:55:42.2         QHY         272.460         54.125         Y         N         Y         On ZID display at X=3           20         12:55:46.9         CLE         197.050         161.250         Y         Y         N           21         12:55:46.9         CLE         197.050         161.250         Y         Y         N           22         12:55:47.5         QRI         5.009         109.250         Y         -N-         N           23         12:55:50.0         QWO         151.171         77.000         Y         Y         N           24         12:55:54.2         QHY         271.142         55.125         Y         N         Y         On ZID display at X=3           25         12:55:57.7         QBE         296.455         167.500         Y         Y         N         N	360.18/5, Y=214.43/5
17   12:55:37.5   QRI   5.449   110.375   Y   -N-   N	
18         12:55:39.9         QWO         150.380         76.625         Y         Y         N         Y         On ZID display at X=3           19         12:55:42.2         QHY         272.460         54.125         Y         N         Y         On ZID display at X=3           20         12:55:45.8         QBE         296.982         167.125         Y         Y         N           21         12:55:46.9         CLE         197.050         161.250         Y         Y         N           22         12:55:47.5         QRI         5.009         109.250         Y         N         N           23         12:55:50.0         QWO         151.171         77.000         Y         Y         N           24         12:55:54.2         QHY         271.142         55.125         Y         N         Y         On ZID display at X=3           25         12:55:57.0         CLE         197.138         162.500         Y         Y         N         Y         N         N           26         12:55:57.5         QRI         4.570         108.125         Y         -N-         N         N         Y         N         N         N         N <td></td>	
19	
20 12:55:45.8 QBE 296.982 167.125 Y Y N   21 12:55:46.9 CLE 197.050 161.250 Y Y N   22 12:55:47.5 QRI 5.009 109.250 Y -N- N   23 12:55:50.0 QWO 151.171 77.000 Y Y N   24 12:55:54.2 QHY 271.142 55.125 Y N Y On ZID display at X=2   25 12:55:57.0 CLE 197.138 162.500 Y Y N   26 12:55:57.5 QRI 4.570 108.125 Y -N- N   27 12:55:57.7 QBE 296.455 167.500 Y Y N   28 12:56:00.1 QWO 151.962 77.625 Y Y N   29 12:56:06.2 QHY 269.736 56.000 Y N Y On ZID display at X=2   30 12:56:07.2 CLE 197.666 163.750 Y N N   31 12:56:07.6 QRI 4.482 106.875 Y -N- N   32 12:56:00.6 QBE 295.927 167.625 Y Y N   33 12:56:10.2 QWO 152.841 78.375 Y N   34 12:56:17.2 CLE 197.402 165.125 Y Y N   35 12:56:17.6 QRI 4.042 105.625 Y Y N   36 12:56:20.4 QWO 153.632 79.250 Y N   37 12:56:20.4 QWO 153.632 79.250 Y N   38 12:56:27.4 CLE 197.753 166.375 N Y* N   40 12:56:27.6 QRI 3.867 104.250 Y -N- N   41 12:56:30.2 QHY 266.660 57.250 Y N   41 12:56:27.6 QRI 3.867 104.250 Y -N- N   41 12:56:30.2 QHY 266.660 57.250 Y N N N   41 12:56:30.2 QHY 266.660 57.250 Y N N N   41 12:56:30.2 QHY 266.660 57.250 Y N N N This target not on ZII	359 0625 Y=213.2500
21         12:55:46.9         CLE         197.050         161.250         Y         Y         N           22         12:55:47.5         QRI         5.009         109.250         Y         -N-         N           23         12:55:50.0         QWO         151.171         77.000         Y         Y         N           24         12:55:54.2         QHY         271.142         55.125         Y         N         Y         On ZID display at X=3           25         12:55:57.0         CLE         197.138         162.500         Y         Y         N           26         12:55:57.7         QBE         296.455         167.500         Y         Y         N           27         12:55:57.7         QBE         296.455         167.500         Y         Y         N           28         12:56:00.1         QWO         151.962         77.625         Y         Y         N           29         12:56:06.2         QHY         269.736         56.000         Y         N         Y         On ZID display at X=3           30         12:56:07.2         CLE         197.666         163.750         Y         N         N         N	2101200
22       12:55:47.5       QRI       5.009       109.250       Y       -N-       N         23       12:55:50.0       QWO       151.171       77.000       Y       Y       N         24       12:55:54.2       QHY       271.142       55.125       Y       N       Y       On ZID display at X=3         25       12:55:57.0       CLE       197.138       162.500       Y       Y       N         26       12:55:57.7       QBE       296.455       167.500       Y       Y       N         27       12:55:57.7       QBE       296.455       167.500       Y       Y       N         28       12:56:00.1       QWO       151.962       77.625       Y       Y       N         29       12:56:06.2       QHY       269.736       56.000       Y       N       Y       On ZID display at X=3         30       12:56:07.2       CLE       197.666       163.750       Y       N       N       N         31       12:56:07.6       QRI       4.482       106.875       Y       N       N         32       12:56:10.2       QWO       152.841       78.375       Y       Y <t< td=""><td></td></t<>	
24         12:55:54.2         OHY         271.142         55.125         Y         N         Y         On ZID display at X=3           25         12:55:57.0         CLE         197.138         162.500         Y         Y         N           26         12:55:57.5         QRI         4.570         108.125         Y         -N-         N           27         12:55:57.7         QBE         296.455         167.500         Y         Y         N           28         12:56:00.1         QWO         151.962         77.625         Y         Y         N           29         12:56:06.2         QHY         269.736         56.000         Y         N         Y         On ZID display at X=3           30         12:56:07.2         CLE         197.666         163.750         Y         N	
25 12:55:57.0 CLE 197.138 162.500 Y Y N N  26 12:55:57.5 QRI 4.570 108.125 Y -N- N  27 12:55:57.7 QBE 296.455 167.500 Y Y N N  28 12:56:00.1 QWO 151.962 77.625 Y Y N  29 12:56:06.2 QHY 269.736 56.000 Y N Y On ZID display at X=3  30 12:56:07.2 CLE 197.666 163.750 Y N N  31 12:56:07.6 QRI 4.482 106.875 Y -N- N  32 12:56:09.6 QBE 295.927 167.625 Y Y N  33 12:56:10.2 QWO 152.841 78.375 Y Y N  34 12:56:17.2 CLE 197.402 165.125 Y Y N  35 12:56:17.6 QRI 4.042 105.625 Y -N- N  36 12:56:18.2 QHY 268.330 56.625 Y N Y On ZID display at X=3  37 12:56:20.4 QWO 153.632 79.250 Y Y N  38 12:56:21.5 QBE 295.488 167.625 Y Y N  39 12:56:27.4 CLE 197.753 166.375 N Y* N *=SI (Search Radar)  40 12:56:30.2 QHY 266.660 57.250 Y N This target not on ZII	
26         12:55:57.5         QRI         4.570         108.125         Y         -N-         N           27         12:55:57.7         QBE         296.455         167.500         Y         Y         N           28         12:56:00.1         QWO         151.962         77.625         Y         Y         N           29         12:56:06.2         QHY         269.736         56.000         Y         N         Y         On ZID display at X=3           30         12:56:07.2         CLE         197.666         163.750         Y         N         N         N           31         12:56:07.6         QRI         4.482         106.875         Y         -N-         N           32         12:56:09.6         QBE         295.927         167.625         Y         Y         N           33         12:56:10.2         QWO         152.841         78.375         Y         Y         N           34         12:56:17.2         CLE         197.402         165.125         Y         Y         N           35         12:56:17.6         QRI         4.042         105.625         Y         N         Y         On ZID display at X=3	358.0625, Y=212.000
27       12:55:57.7       QBE       296.455       167.500       Y       Y       N         28       12:56:00.1       QWO       151.962       77.625       Y       Y       N         29       12:56:06.2       QHY       269.736       56.000       Y       N       Y       On ZID display at X=3         30       12:56:07.2       CLE       197.666       163.750       Y       N       N       N         31       12:56:07.6       QRI       4.482       106.875       Y       -N-       N         32       12:56:09.6       QBE       295.927       167.625       Y       Y       N         33       12:56:10.2       QWO       152.841       78.375       Y       Y       N         34       12:56:17.2       CLE       197.402       165.125       Y       Y       N         35       12:56:17.6       QRI       4.042       105.625       Y       -N-       N         36       12:56:18.2       QHY       268.330       56.625       Y       N       Y       N         38       12:56:20.4       QWO       153.632       79.250       Y       Y       N	
28         12:56:00.1         QWO         151.962         77.625         Y         Y         N           29         12:56:06.2         QHY         269.736         56.000         Y         N         Y         On ZID display at X=3           30         12:56:07.2         CLE         197.666         163.750         Y         N         N         N           31         12:56:07.6         QRI         4.482         106.875         Y         -N-         N           32         12:56:09.6         QBE         295.927         167.625         Y         Y         N           33         12:56:10.2         QWO         152.841         78.375         Y         Y         N           34         12:56:17.2         CLE         197.402         165.125         Y         Y         N           35         12:56:17.6         QRI         4.042         105.625         Y         -N-         N           36         12:56:18.2         QHY         268.330         56.625         Y         N         Y         On ZID display at X=3           37         12:56:20.4         QWO         153.632         79.250         Y         Y         N	
29         12:56:06.2         QHY         269.736         56.000         Y         N         Y         On ZID display at X=3           30         12:56:07.2         CLE         197.666         163.750         Y         N         N         N           31         12:56:07.6         QRI         4.482         106.875         Y         -N-         N           32         12:56:09.6         QBE         295.927         167.625         Y         Y         N           33         12:56:10.2         QWO         152.841         78.375         Y         Y         N           34         12:56:17.2         CLE         197.402         165.125         Y         Y         N           35         12:56:17.6         QRI         4.042         105.625         Y         -N-         N           36         12:56:18.2         QHY         268.330         56.625         Y         N         Y         On ZID display at X=3           37         12:56:20.4         QWO         153.632         79.250         Y         Y         N         N           38         12:56:21.5         QBE         295.488         167.625         Y         Y <td< td=""><td></td></td<>	
30 12:56:07.2 CLE 197.666 163.750 Y N N N 31 12:56:07.6 QRI 4.482 106.875 Y -N- N 32 12:56:09.6 QBE 295.927 167.625 Y Y N N 33 12:56:10.2 QWO 152.841 78.375 Y Y N 34 12:56:17.2 CLE 197.402 165.125 Y Y N 35 12:56:17.6 QRI 4.042 105.625 Y -N- N 36 12:56:18.2 QHY 268.330 56.625 Y N Y On ZID display at X=3 37 12:56:20.4 QWO 153.632 79.250 Y Y N 38 12:56:21.5 QBE 295.488 167.625 Y Y N 39 12:56:27.4 CLE 197.753 166.375 N Y* N *=S1 (Search Radar) 40 12:56:30.2 QHY 266.660 57.250 Y N N This target not on ZII	
31       12:56:07.6       QRI       4.482       106.875       Y       -N-       N         32       12:56:09.6       QBE       295.927       167.625       Y       Y       N         33       12:56:10.2       QWO       152.841       78.375       Y       Y       N         34       12:56:17.2       CLE       197.402       165.125       Y       Y       N         35       12:56:17.6       QRI       4.042       105.625       Y       -N-       N         36       12:56:18.2       QHY       268.330       56.625       Y       N       Y       On ZID display at X=3         37       12:56:20.4       QWO       153.632       79.250       Y       Y       N         38       12:56:21.5       QBE       295.488       167.625       Y       Y       N         39       12:56:27.4       CLE       197.753       166.375       N       Y*       N       *=S1 (Search Radar)         40       12:56:27.6       QRI       3.867       104.250       Y       N       N       This target not on ZII         41       12:56:30.2       QHY       266.660       57.250       Y	357.1875, Y=210.6875
32       12:56:09.6       QBE       295.927       167.625       Y       Y       N         33       12:56:10.2       QWO       152.841       78.375       Y       Y       N         34       12:56:17.2       CLE       197.402       165.125       Y       Y       N         35       12:56:17.6       QRI       4.042       105.625       Y       -N-       N         36       12:56:18.2       QHY       268.330       56.625       Y       N       Y       On ZID display at X=3         37       12:56:20.4       QWO       153.632       79.250       Y       Y       N         38       12:56:21.5       QBE       295.488       167.625       Y       Y       N         39       12:56:27.4       CLE       197.753       166.375       N       Y*       N       *=S1 (Search Radar)         40       12:56:27.6       QRI       3.867       104.250       Y       N       N       This target not on ZII         41       12:56:30.2       QHY       266.660       57.250       Y       N       N       This target not on ZII	
33       12:56:10.2       QWO       152.841       78.375       Y       Y       N         34       12:56:17.2       CLE       197.402       165.125       Y       Y       N         35       12:56:17.6       QRI       4.042       105.625       Y       -N-       N         36       12:56:18.2       QHY       268.330       56.625       Y       N       Y       On ZID display at X=3         37       12:56:20.4       QWO       153.632       79.250       Y       Y       N         38       12:56:21.5       QBE       295.488       167.625       Y       Y       N         39       12:56:27.4       CLE       197.753       166.375       N       Y*       N       *=S1 (Search Radar)         40       12:56:27.6       QRI       3.867       104.250       Y       -N-       N         41       12:56:30.2       QHY       266.660       57.250       Y       N       N       This target not on ZII	
34       12:56:17.2       CLE       197.402       165.125       Y       Y       N         35       12:56:17.6       QRI       4.042       105.625       Y       -N-       N         36       12:56:18.2       QHY       268.330       56.625       Y       N       Y       On ZID display at X=3         37       12:56:20.4       QWO       153.632       79.250       Y       Y       N         38       12:56:21.5       QBE       295.488       167.625       Y       Y       N         39       12:56:27.4       CLE       197.753       166.375       N       Y*       N       *=S1 (Search Radar)         40       12:56:27.6       QRI       3.867       104.250       Y       -N-       N         41       12:56:30.2       QHY       266.660       57.250       Y       N       N       This target not on ZII	
35       12:56:17.6       QRI       4.042       105.625       Y       -N-       N         36       12:56:18.2       QHY       268.330       56.625       Y       N       Y       On ZID display at X=3         37       12:56:20.4       QWO       153.632       79.250       Y       Y       N         38       12:56:21.5       QBE       295.488       167.625       Y       Y       N         39       12:56:27.4       CLE       197.753       166.375       N       Y*       N       *=S1 (Search Radar)         40       12:56:27.6       QRI       3.867       104.250       Y       -N-       N         41       12:56:30.2       QHY       266.660       57.250       Y       N       N       This target not on ZII	
36       12:56:18.2       QHY       268.330       56.625       Y       N       Y       On ZID display at X=3         37       12:56:20.4       QWO       153.632       79.250       Y       Y       N         38       12:56:21.5       QBE       295.488       167.625       Y       Y       N         39       12:56:27.4       CLE       197.753       166.375       N       Y*       N       *=S1 (Search Radar)         40       12:56:27.6       QRI       3.867       104.250       Y       -N-       N         41       12:56:30.2       QHY       266.660       57.250       Y       N       N       This target not on ZII	
37       12:56:20.4       QWO       153.632       79.250       Y       Y       N         38       12:56:21.5       QBE       295.488       167.625       Y       Y       N         39       12:56:27.4       CLE       197.753       166.375       N       Y*       N       *=S1 (Search Radar)         40       12:56:27.6       QRI       3.867       104.250       Y       -N-       N         41       12:56:30.2       QHY       266.660       57.250       Y       N       N       This target not on ZII	356 6250, Y=209 2500 (last)
38       12:56:21.5       QBE       295.488       167.625       Y       Y       N         39       12:56:27.4       CLE       197.753       166.375       N       Y*       N       *=S1 (Search Radar)         40       12:56:27.6       QRI       3.867       104.250       Y       -N-       N         41       12:56:30.2       QHY       266.660       57.250       Y       N       N       This target not on ZII	750.0250, 1–207.2500 (last)
39       12:56:27.4       CLE       197.753       166.375       N       Y*       N       *=S1 (Search Radar)         40       12:56:27.6       QRI       3.867       104.250       Y       -N-       N         41       12:56:30.2       QHY       266.660       57.250       Y       N       N       This target not on ZII	
40       12:56:27.6       QRI       3.867       104.250       Y       -N-       N         41       12:56:30.2       QHY       266.660       57.250       Y       N       N       This target not on ZII	
41 12:56:30.2 QHY 266.660 57.250 Y N N This target not on ZII	
	display due to sort box assignments
43 12:56:33.4 QBE 294.785 167.375 Y* Y N *=Transponder code c	
Note: The COMDIG radar data terminates after 3 to 4 radar rotations when it no longer finds the	e 3743 beacon return.
44 12:56:37.5 CLE 197.314 167.875 N Y* N *=S1	
45   12:56:40.6   QWO   154.951   81.500   N   Y*   N   *=S1	
	55 QBE Primary Targets.pdf"
47 12:56:47.6 CLE 196.875 169.250 N Y* N *=S1	
48 12:56:50.7 QWO 155.566 82.625 N Y* N *=SI	. , , ,
	55 QBE Primary Targets.pdf"
Above COMDIG radar data was from "1 ZID 54 QBE Beacon Data.pdf". COMDIG radar data from here on is from "	55 QBE Primary Targets.pdf"
53 12:57:21.2 QBE 292.675 164.750 N Y* N *=S1	55 QBE Primary Targets.pdf"  55 QBE Primary Targets.pdf"
54 12:57:33.0 QBE 292.324 163.750 N Y* N *=S1	55 QBE Primary Targets.pdf"  55 QBE Primary Targets.pdf"
55 12:57:45.2 QBE 291.884 162.500 N Y* N *=S1	55 QBE Primary Targets.pdf"  55 QBE Primary Targets.pdf"
56 12:57:56.9 QBE 291.621 161.250 N Y* N *=S1	55 QBE Primary Targets.pdf"  55 QBE Primary Targets.pdf"
There are 44 more primary (search radar) targets from QBE shown on "1 ZID 55 QBE2 Prima	55 QBE Primary Targets.pdf"  55 QBE Primary Targets.pdf"