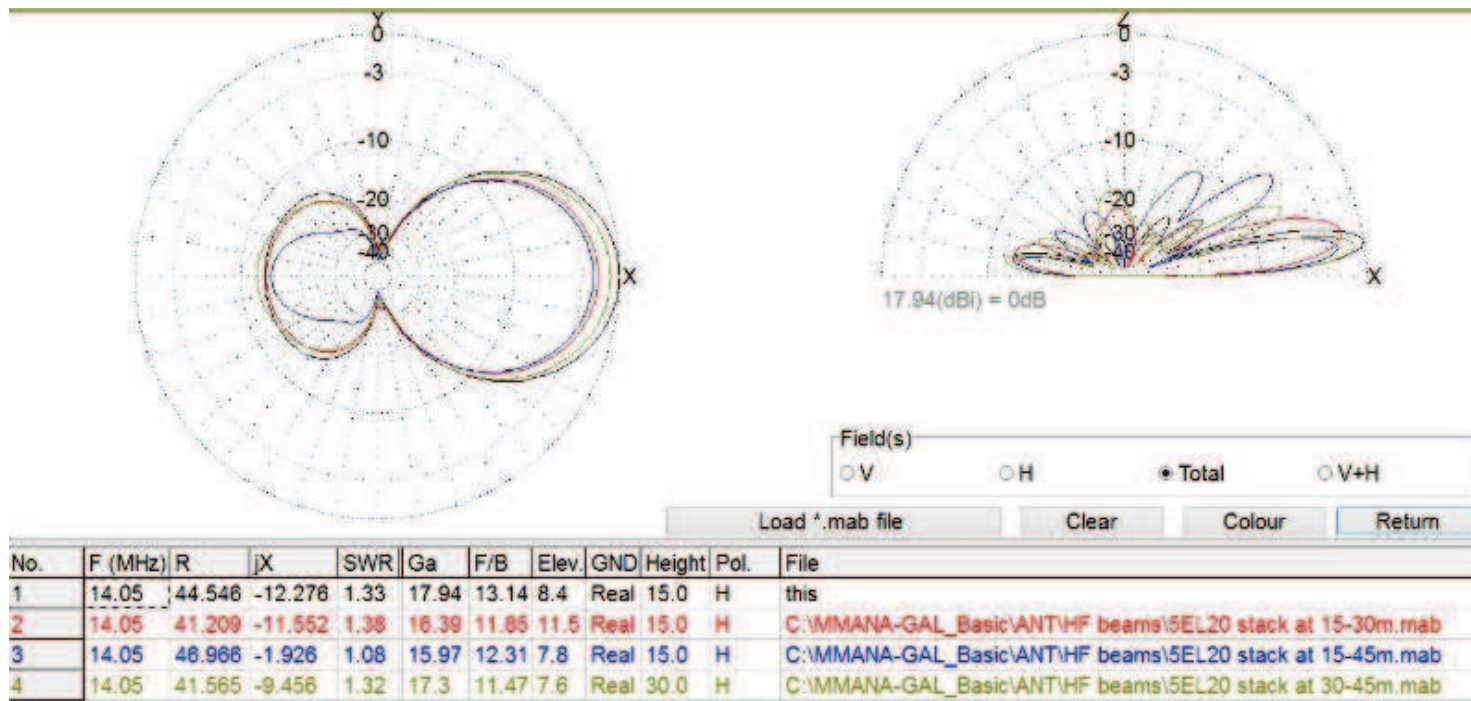


Stack matching



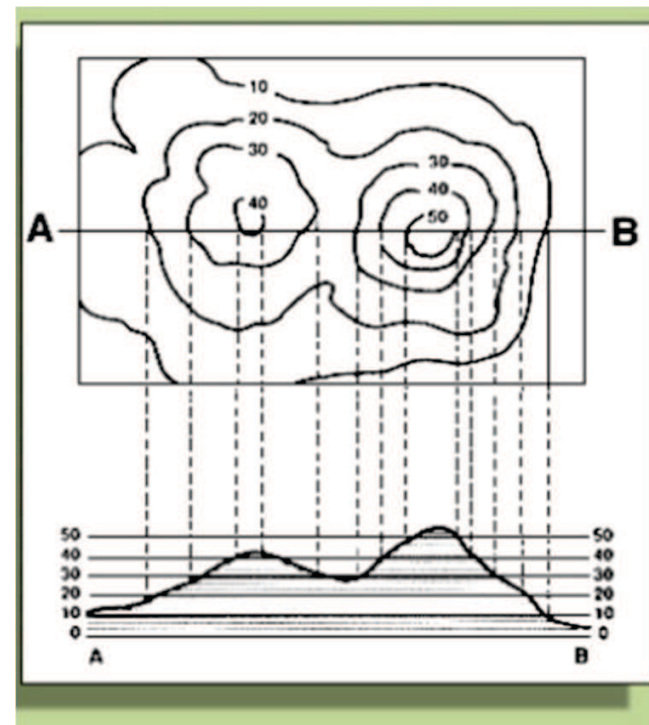
HFTA

High Frequency Terrain Analysis

- * Developed by Dean Straw
- * Packaged with ARRL Handbook
- * Compares antenna location and propagation

Plots the old way

- * Used Contour map
- * Plotted individually in multiple directions
- * Very time consuming
- * Errors happen easily
- * Radius 20,000 feet



Where do you get the plots?

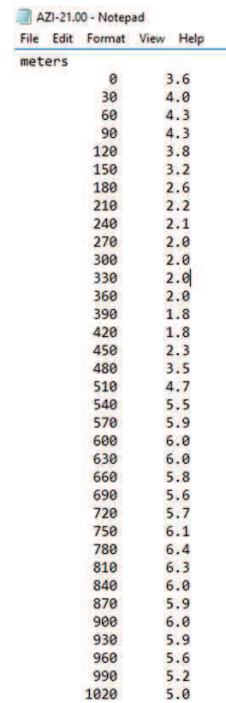
The screenshot shows a web browser window with the URL `k6tu.net/?q=node/254091`. The page header features the K6TU Propagation logo and the text "Propagation for Contest & DX Strategy". A green notification bar at the top states: "Terrain Profile Request queued. You will receive an email when the Prediction results are available".

The main content area displays the call sign **VK5GN** and coordinates **-34.589025, 138.692353**. Below this, the following details are listed:

- File name root: AZI
- Latitude: -34.589025 degrees
- Longitude: 138.692353 degrees
- Status: Queued

The page includes a "Main menu" on the left with links to Home, Shopping Cart, Subscribe, HF Terrain Analysis, Tutorials, User Profile, and Logout. A "Who's new" section lists call signs: KK7L, AC7AV, K1ZK, AB9NN, N3HE, KM6DOV, ON5KQ, and WH7W. A "Navigation" sidebar on the right contains links to the Prediction Wizard, Show, and New.

Done for every direction of interest



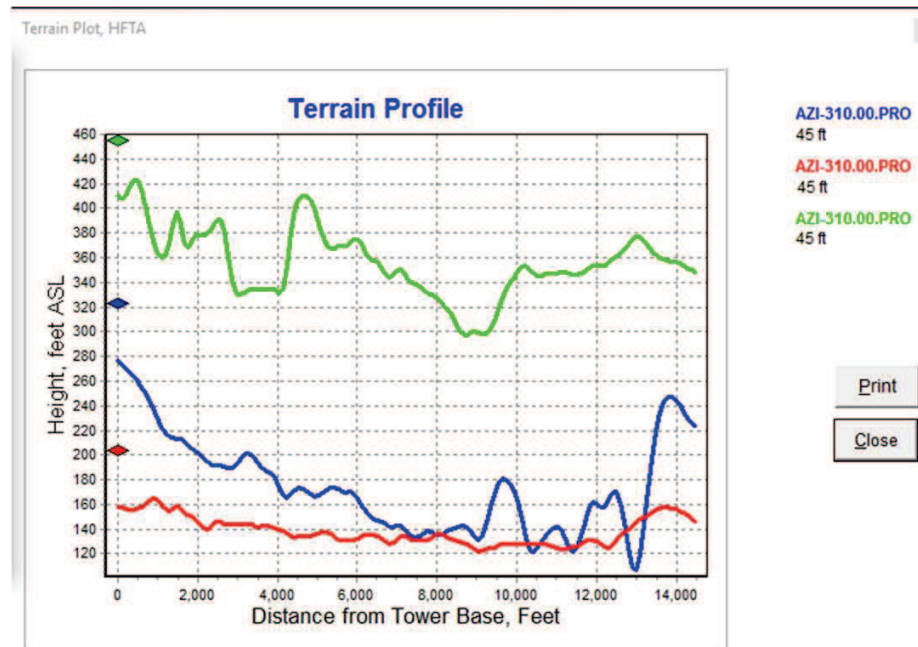
meters	
0	3.6
30	4.0
60	4.3
90	4.3
120	3.8
150	3.2
180	2.6
210	2.2
240	2.1
270	2.0
300	2.0
330	2.0
360	2.0
390	1.8
420	1.8
450	2.3
480	3.5
510	4.7
540	5.5
570	5.9
600	6.0
630	6.0
660	5.8
690	5.6
720	5.7
750	6.1
780	6.4
810	6.3
840	6.0
870	5.9
900	6.0
930	5.9
960	5.6
990	5.2
1020	5.0

Propagation Statistics to EU VK2

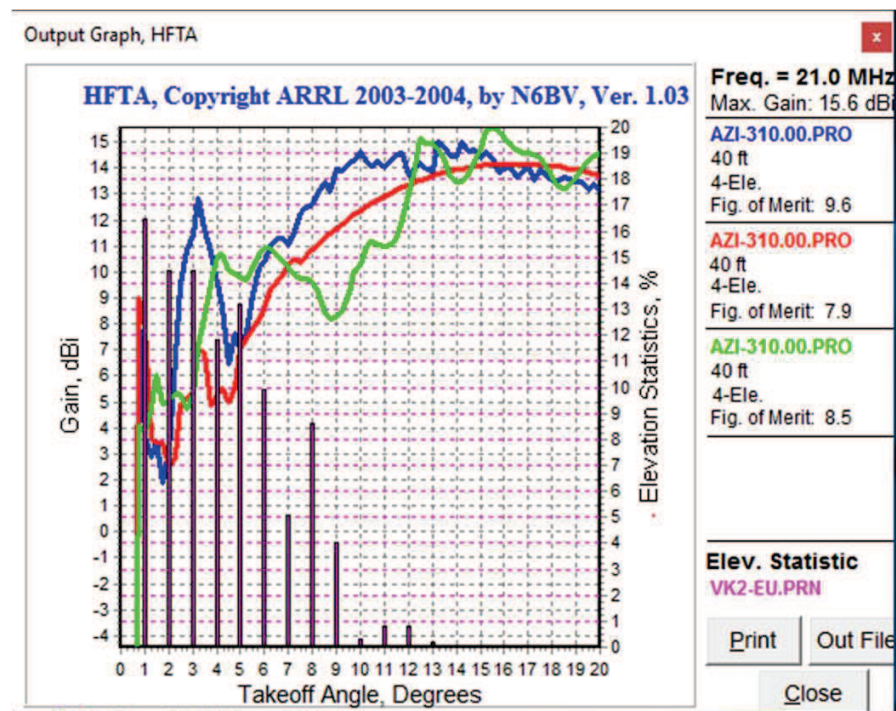
Elevations are averaged over all months, all days, all hours, over a complete 11 year sunspot cycle.

VK2-EU - Notepad								
File Edit Format View Help								
Sydney, Australia to Europe								
Elev	80m	40m	30m	20m	17m	15m	12m	10m
1	0.0	29.7	24.5	16.4	20.1	16.5	15.7	15.1
2	0.0	23.0	17.7	13.9	14.1	14.5	14.0	14.7
3	0.0	26.3	17.3	19.1	13.4	14.5	13.1	19.3
4	0.0	19.6	14.3	14.9	17.0	11.8	15.0	10.6
5	0.0	1.4	15.7	9.3	13.8	13.2	10.5	14.7
6	0.0	0.0	7.0	10.6	6.4	9.9	9.3	6.0
7	0.0	0.0	1.6	8.6	8.8	5.1	9.3	9.6
8	0.0	0.0	1.6	4.0	4.0	8.6	3.3	4.1
9	0.0	0.0	0.2	1.8	0.9	4.0	5.2	4.1
10	0.0	0.0	0.0	1.1	1.1	0.3	3.3	1.4
11	0.0	0.0	0.0	0.3	0.5	0.8	1.4	0.5
12	0.0	0.0	0.0	0.1	0.0	0.8	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

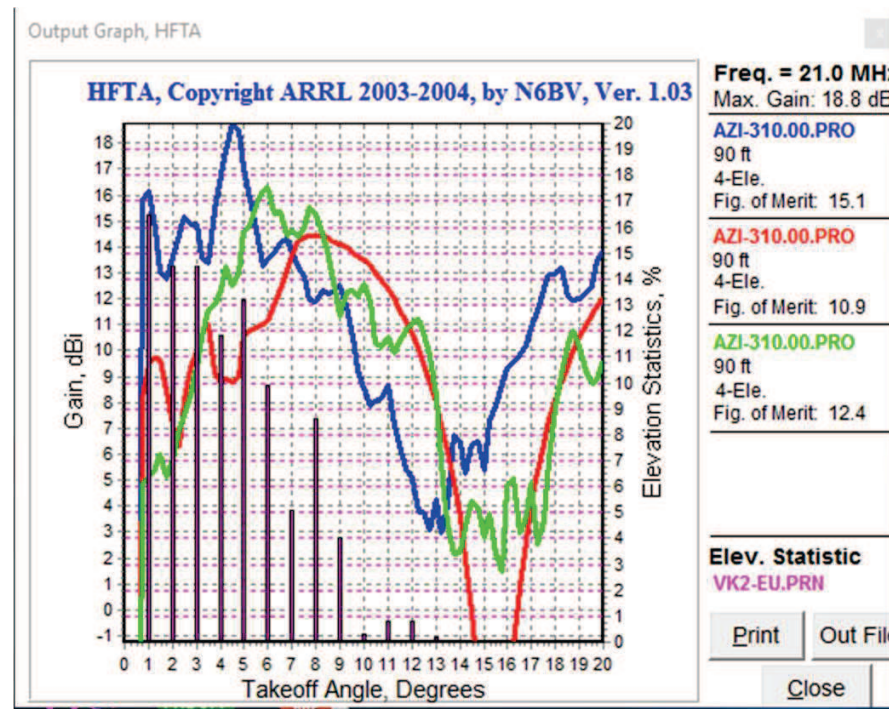
Putting it together



VK5GN VK5CRS VK5GR EU 40ft



VK5GN VK5CRS VK5GR EU 90ft



VK5GR aiming USA

