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Subsurface Imaging™

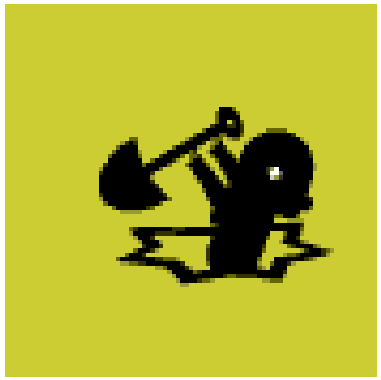
New Developments in GPR

Of potential interest to the FWD community

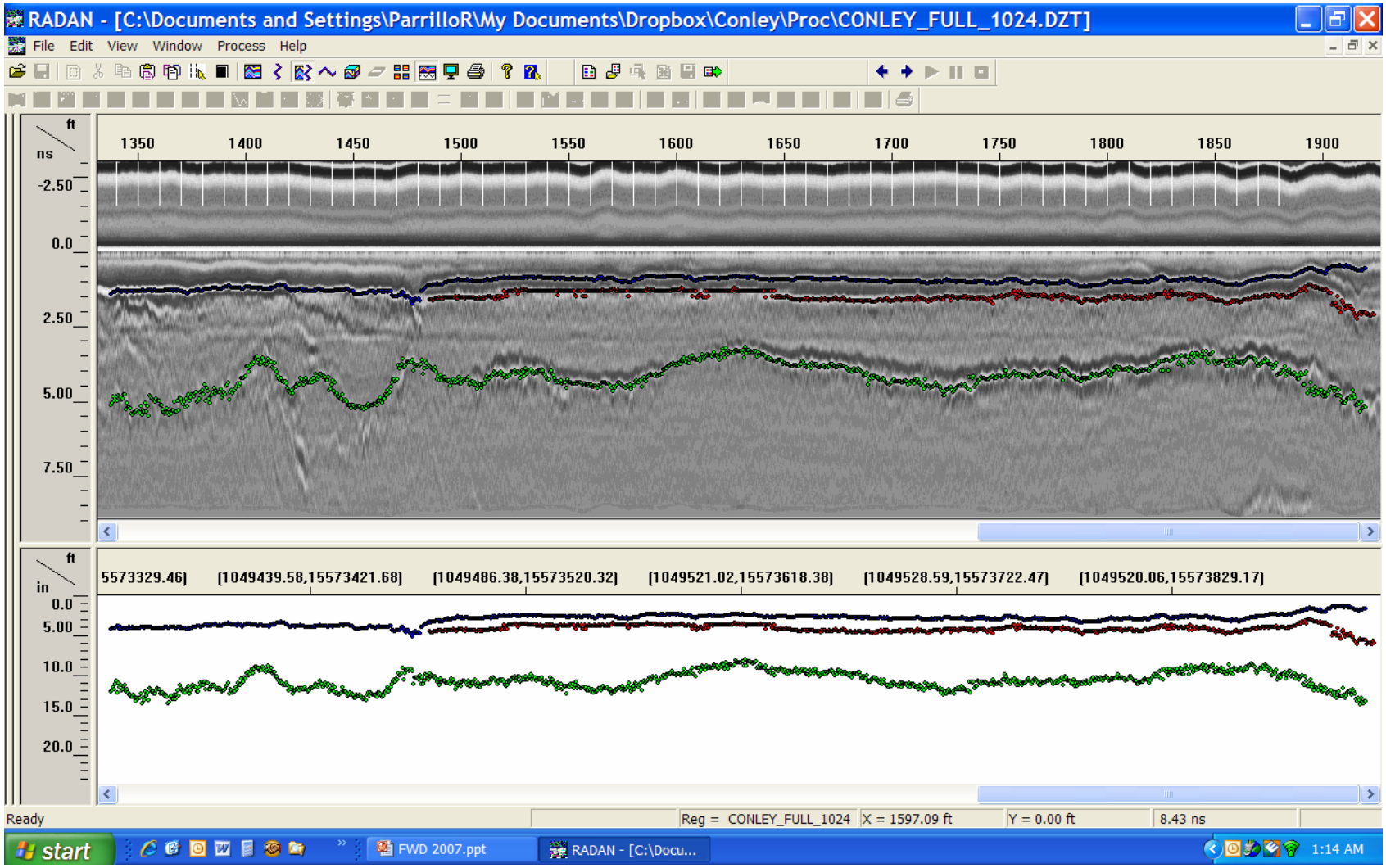
www.geophysical.com
sales@geophysical.com

Last year you said:

We need to see deeper
We need base layer thickness



2 GHz horn antenna penetrates 2 - 2 ½ ft



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Announcing the development of:

500 MHz air-launched antenna

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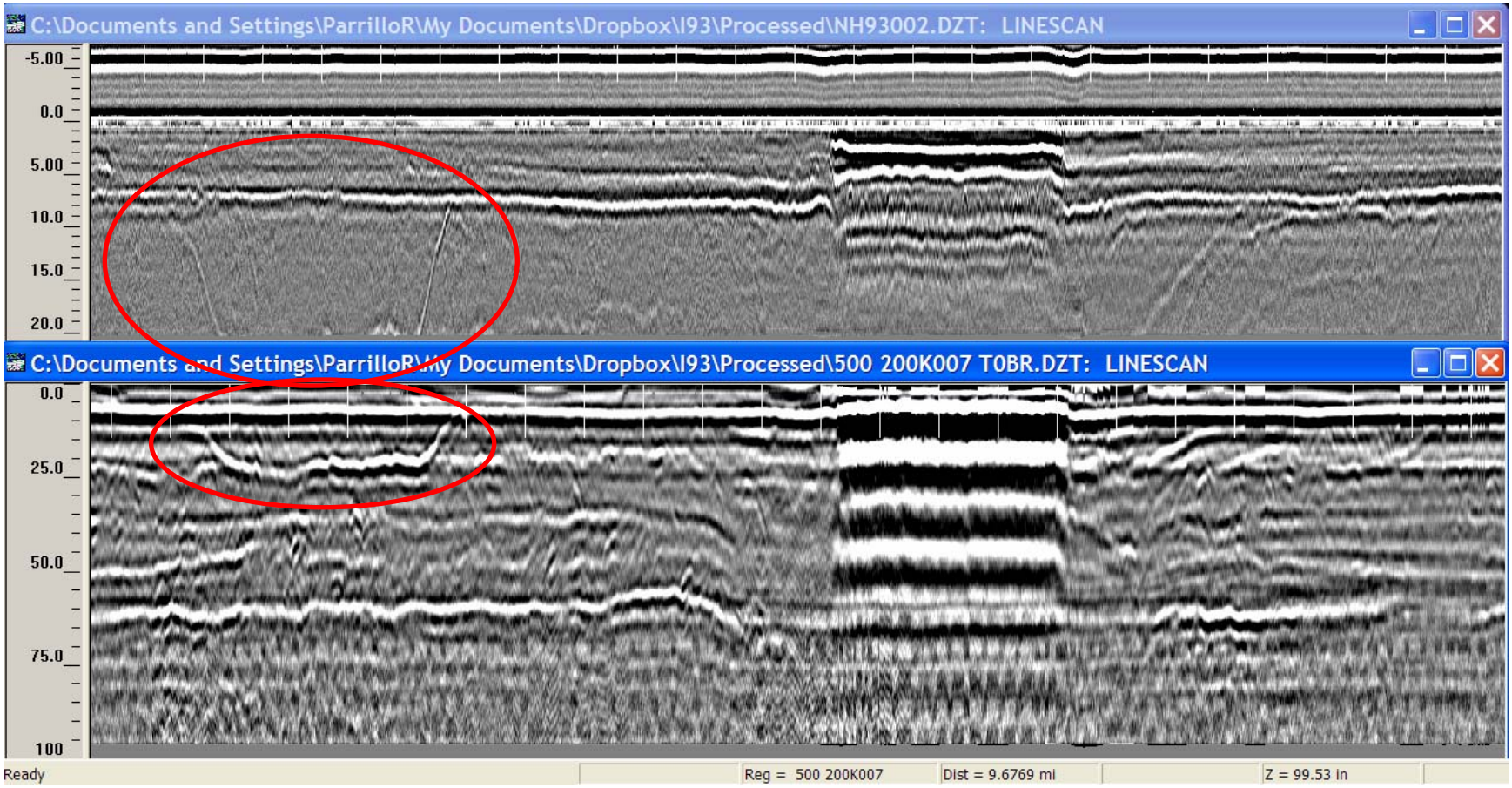
2 GHz antenna



500 MHz antenna
(preliminary data)

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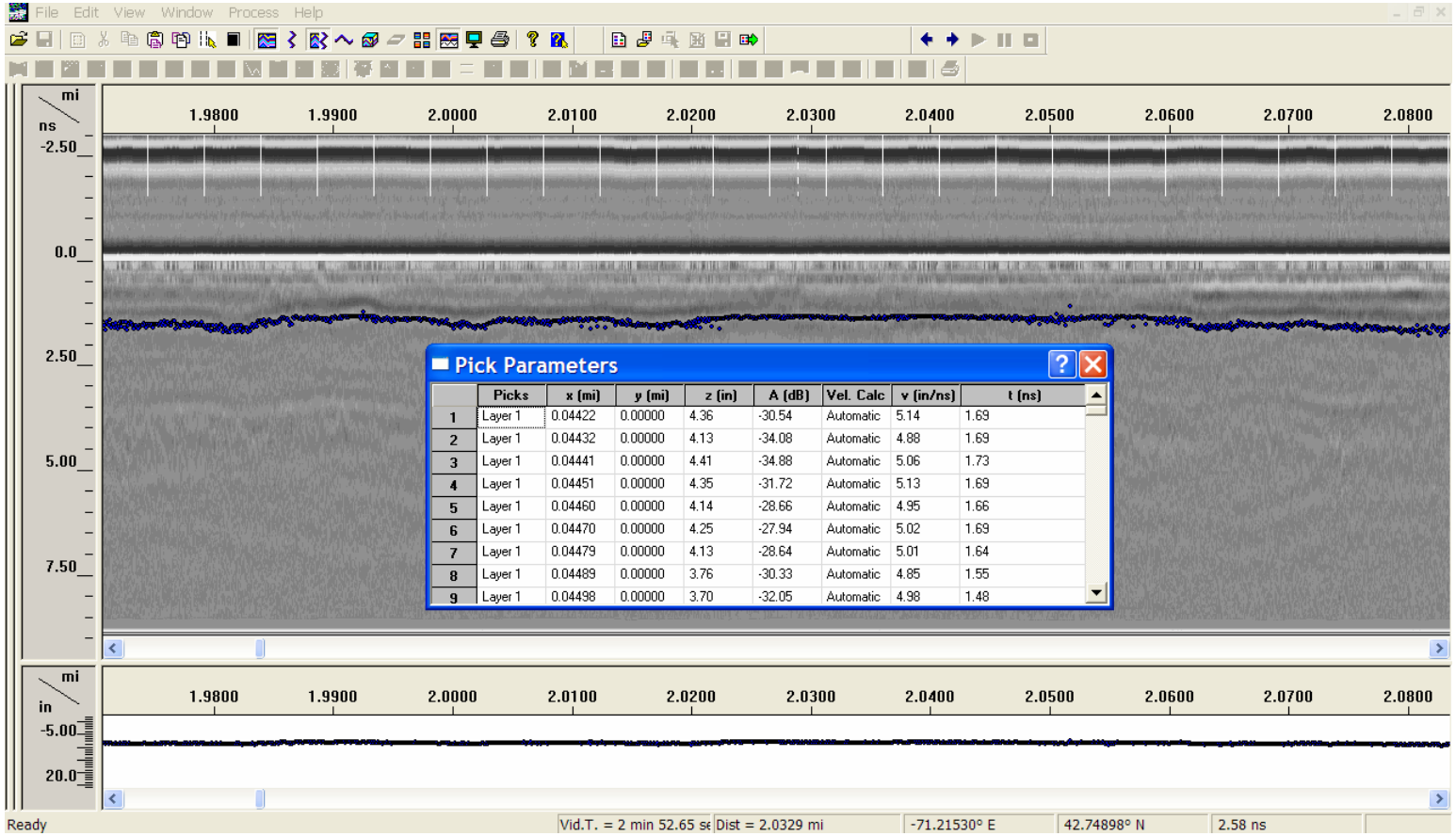
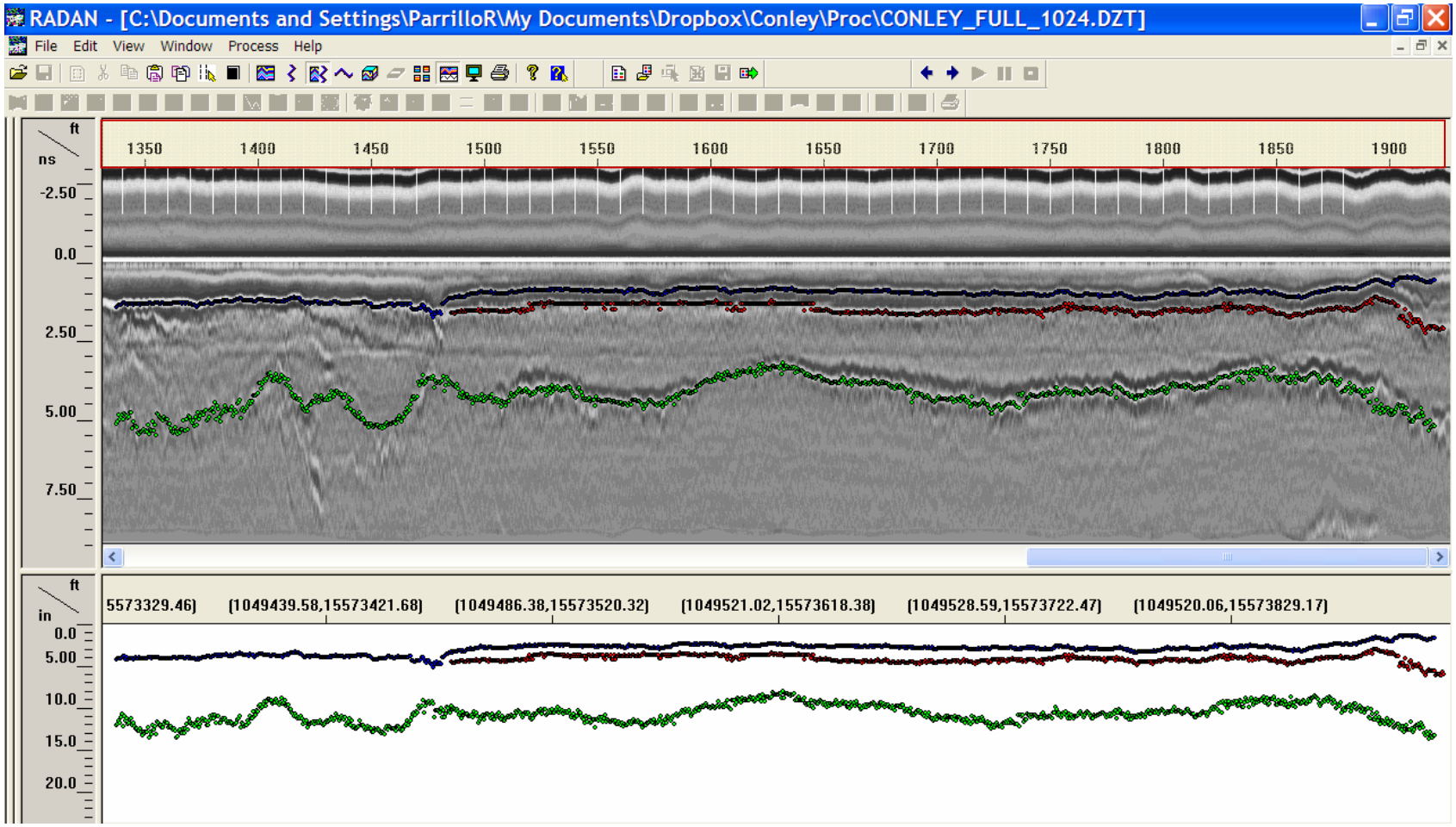
GPR data formats

How do we use the GPR results?



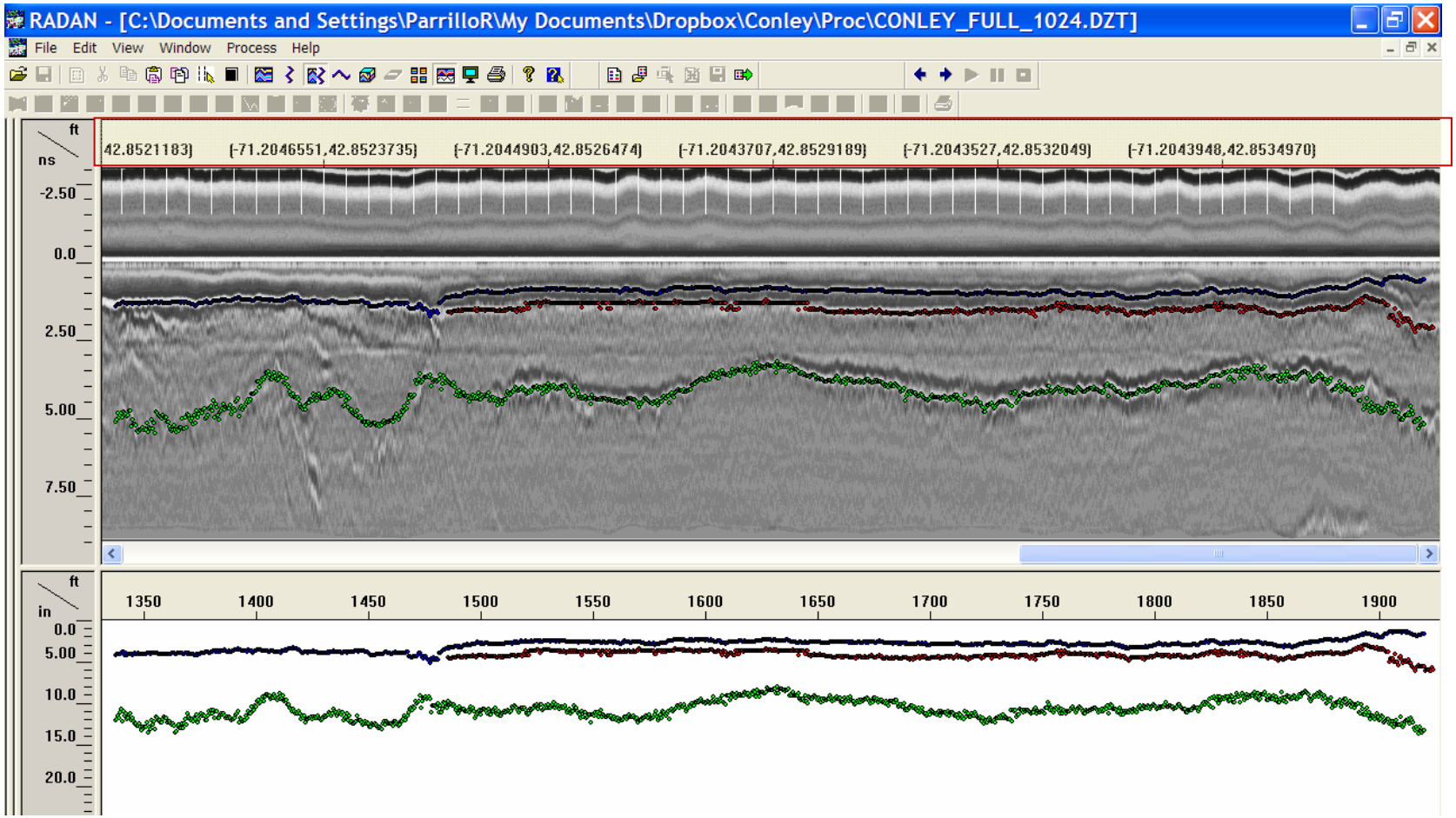
GPR data formats

Data displayed as a linear distance



GPR data formats

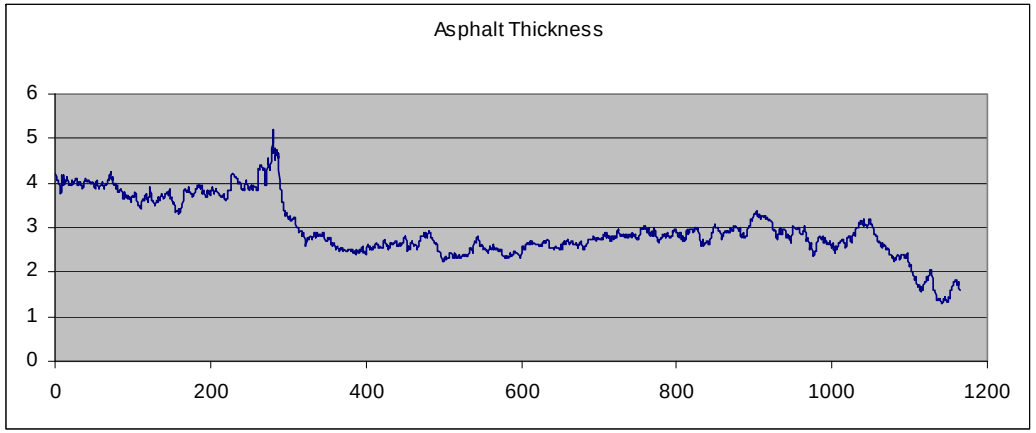
Data displayed in GPS coordinates



GPR data formats

Results in Spreadsheet

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	File	Ch#	Scan#	x(ft)	y(ft)	Layer 1	z(in)	Amp	Dev(ft)	% Scans	Vel. Type	v(in/ns)	t(ns)	Layer 2	z(in)	Amp	Dev(ft)	% Scans	Vel. Type	v(in/ns)	t(ns)	Layer 3	z(in)
2	CONLEY_FULL_1024	1	2675	1049409.125	15573336	Layer 1	4.223	-15.02	-0.39	100	Automatic	5.972	1.406	None	0	0	0	0	Specify	0	0	Layer 3	12.0
3	CONLEY_FULL_1024	1	2676	1049409.25	15573336	Layer 1	4.072	-15.82	-0.39	100	Automatic	5.858	1.383	None	0	0	0	0	Specify	0	0	Layer 3	11.8
4	CONLEY_FULL_1024	1	2677	1049409.375	15573337	Layer 1	4.071	-15.49	-0.39	100	Automatic	5.957	1.359	None	0	0	0	0	Specify	0	0	Layer 3	11.5
5	CONLEY_FULL_1024	1	2678	1049409.375	15573337	Layer 1	4.068	-14.79	-0.39	100	Automatic	6.055	1.336	None	0	0	0	0	Specify	0	0	Layer 3	11.7
6	CONLEY_FULL_1024	1	2679	1049409.5	15573338	Layer 1	4.001	-13.98	-0.39	100	Automatic	5.906	1.348	None	0	0	0	0	Specify	0	0	Layer 3	11.0
7	CONLEY_FULL_1024	1	2680	1049409.625	15573338	Layer 1	3.942	-13.46	-0.39	100	Automatic	5.921	1.324	None	0	0	0	0	Specify	0	0	Layer 3	10.7
8	CONLEY_FULL_1024	1	2681	1049409.75	15573339	Layer 1	3.775	-16.79	-0.39	100	Automatic	5.933	1.266	None	0	0	0	0	Specify	0	0	Layer 3	12.0
9	CONLEY_FULL_1024	1	2682	1049409.875	15573339	Layer 1	3.798	-14.2	-0.39	100	Automatic	5.913	1.277	None	0	0	0	0	Specify	0	0	Layer 3	10.8
10	CONLEY_FULL_1024	1	2683	1049410	15573340	Layer 1	4.16	-13.44	-0.39	100	Automatic	6.299	1.313	None	0	0	0	0	Specify	0	0	Layer 3	11.
11	CONLEY_FULL_1024	1	2684	1049410.125	15573340	Layer 1	3.96	-14.67	-0.39	100	Automatic	5.949	1.324	None	0	0	0	0	Specify	0	0	Layer 3	11.
12	CONLEY_FULL_1024	1	2685	1049410.25	15573341	Layer 1	4.159	-14.67	-0.39	100	Automatic	6.189	1.336	None	0	0	0	0	Specify	0	0	Layer 3	11.
13	CONLEY_FULL_1024	1	2686	1049410.25	15573341	Layer 1	4.011	-15.55	-0.39	100	Automatic	6.024	1.324	None	0	0	0	0	Specify	0	0	Layer 3	11.7
14	CONLEY_FULL_1024	1	2687	1049410.375	15573342	Layer 1	3.997	-14.68	-0.39	100	Automatic	6.11	1.301	None	0	0	0	0	Specify	0	0	Layer 3	11.3
15	CONLEY_FULL_1024	1	2688	1049410.5	15573342	Layer 1	3.991	-14.65	-0.39	100	Automatic	6.047	1.313	None	0	0	0	0	Specify	0	0	Layer 3	11.2
16	CONLEY_FULL_1024	1	2689	1049410.625	15573343	Layer 1	4.051	-13.76	-0.39	100	Automatic	6.083	1.324	None	0	0	0	0	Specify	0	0	Layer 3	12.0
17	CONLEY_FULL_1024	1	2690	1049410.75	15573343	Layer 1	4.155	-14.16	-0.39	100	Automatic	6.079	1.359	None	0	0	0	0	Specify	0	0	Layer 3	11.7
18	CONLEY_FULL_1024	1	2691	1049410.875	15573343	Layer 1	4.008	-14.96	-0.39	100	Automatic	6.02	1.324	None	0	0	0	0	Specify	0	0	Layer 3	12.2
19	CONLEY_FULL_1024	1	2692	1049411	15573344	Layer 1	3.931	-16.22	-0.39	100	Automatic	5.957	1.313	None	0	0	0	0	Specify	0	0	Layer 3	12.4
20	CONLEY_FULL_1024	1	2693	1049411	15573344	Layer 1	3.986	-15.22	-0.39	100	Automatic	6.039	1.313	None	0	0	0	0	Specify	0	0	Layer 3	12.4
21	CONLEY_FULL_1024	1	2694	1049411.125	15573345	Layer 1	3.994	-14.58	-0.39	100	Automatic	6.106	1.301	None	0	0	0	0	Specify	0	0	Layer 3	12.7
22	CONLEY_FULL_1024	1	2695	1049411.25	15573345	Layer 1	3.949	-15.04	-0.39	100	Automatic	5.984	1.313	None	0	0	0	0	Specify	0	0	Layer 3	12.6
23	CONLEY_FULL_1024	1	2696	1049411.375	15573346	Layer 1	4.054	-14.58	-0.39	100	Automatic	6.035	1.336	None	0	0	0	0	Specify	0	0	Layer 3	12.4
24	CONLEY_FULL_1024	1	2697	1049411.5	15573346	Layer 1	4	-15.6	-0.39	100	Automatic	6.008	1.324	None	0	0	0	0	Specify	0	0	Layer 3	12.7
25	CONLEY_FULL_1024	1	2698	1049411.625	15573347	Layer 1	4.038	-16.57	-0.39	100	Automatic	6.118	1.313	None	0	0	0	0	Specify	0	0	Layer 3	13.2
26	CONLEY_FULL_1024	1	2699	1049411.75	15573347	Layer 1	4.002	-15.38	-0.39	100	Automatic	6.118	1.301	None	0	0	0	0	Specify	0	0	Layer 3	12.7
27	CONLEY_FULL_1024	1	2700	1049411.875	15573348	Layer 1	4.074	-15.41	-0.39	100	Automatic	6.118	1.324	None	0	0	0	0	Specify	0	0	Layer 3	12.9
28	CONLEY_FULL_1024	1	2701	1049412	15573349	Layer 1	4.106	-14.95	-0.39	100	Automatic	6.165	1.324	None	0	0	0	0	Specify	0	0	Layer 3	12.7
29	CONLEY_FULL_1024	1	2702	1049412.125	15573349	Layer 1	4.103	-14.95	-0.39	100	Automatic	6.161	1.324	None	0	0	0	0	Specify	0	0	Layer 3	12.8
30	CONLEY_FULL_1024	1	2703	1049412.125	15573349	Layer 1	3.968	-15.09	-0.39	100	Automatic	6.067	1.301	None	0	0	0	0	Specify	0	0	Layer 3	12.2
31	CONLEY_FULL_1024	1	2704	1049412.25	15573350	Layer 1	3.961	-16.34	-0.39	100	Automatic	6.165	1.277	None	0	0	0	0	Specify	0	0	Layer 3	13.4
32	CONLEY_FULL_1024	1	2705	1049412.375	15573350	Layer 1	3.977	-15.65	-0.39	100	Automatic	6.134	1.289	None	0	0	0	0	Specify	0	0	Layer 3	12.8
33	CONLEY_FULL_1024	1	2706	1049412.375	15573351	Layer 1	4.028	-15.71	-0.39	100	Automatic	6.157	1.301	None	0	0	0	0	Specify	0	0	Layer 3	13.0



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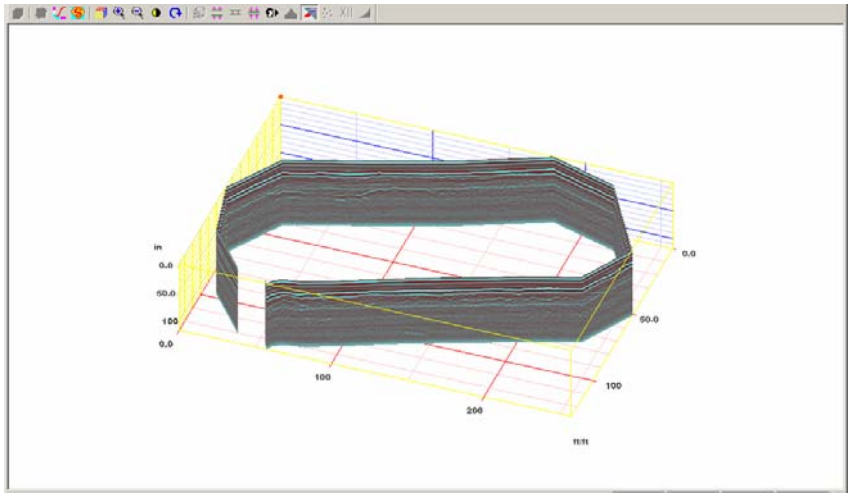
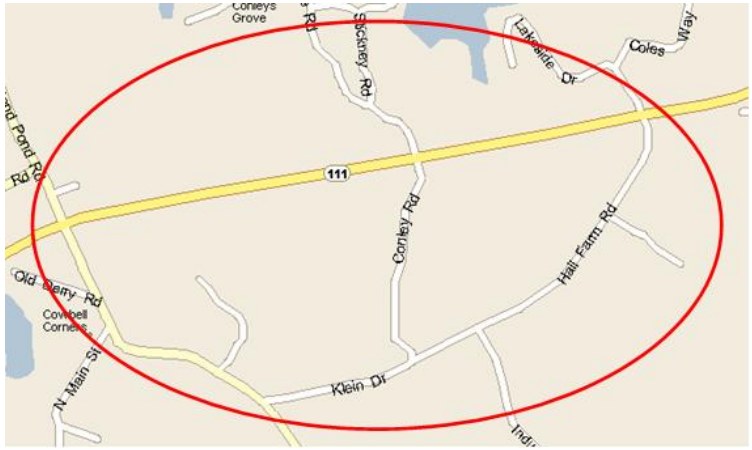
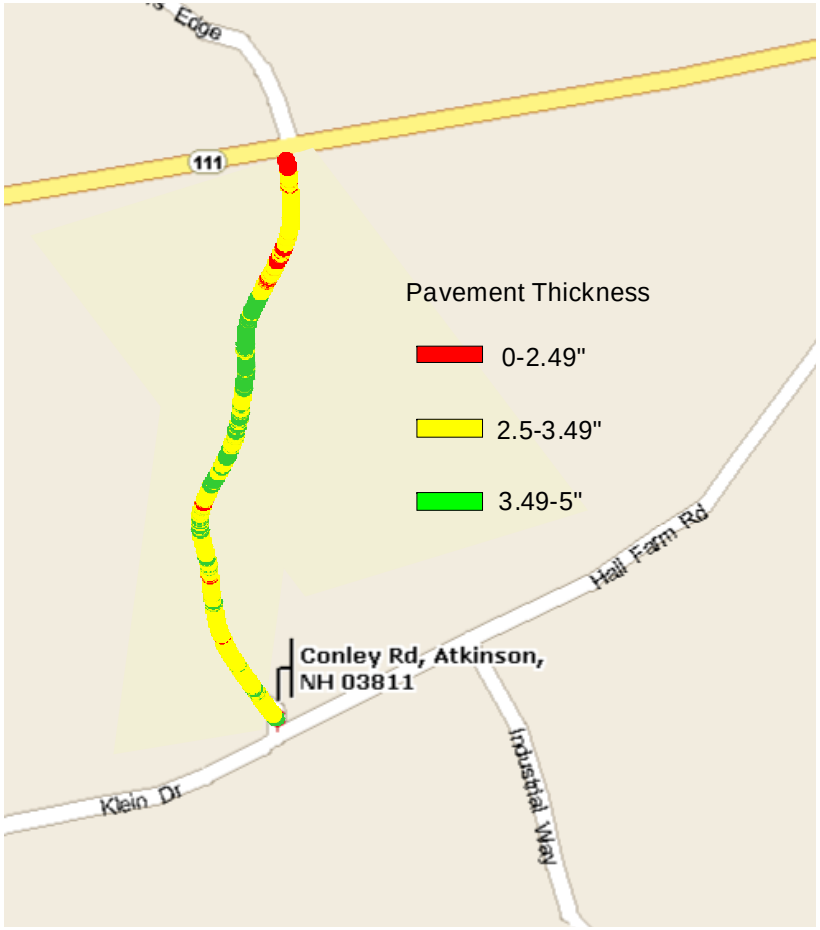
GPS Integration







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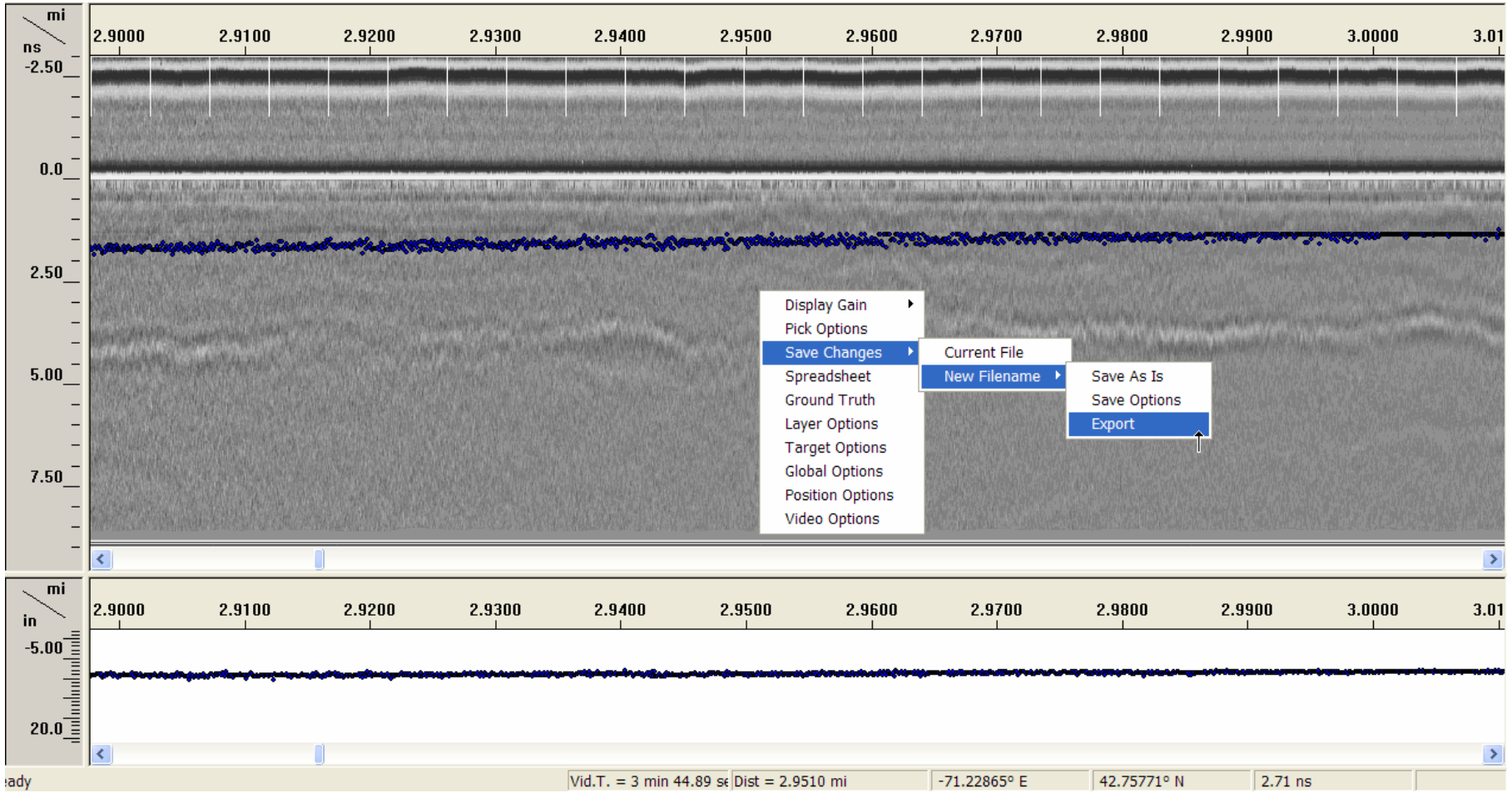
GSSI RADAN Mapping Module
Export Results to Google Earth KML file



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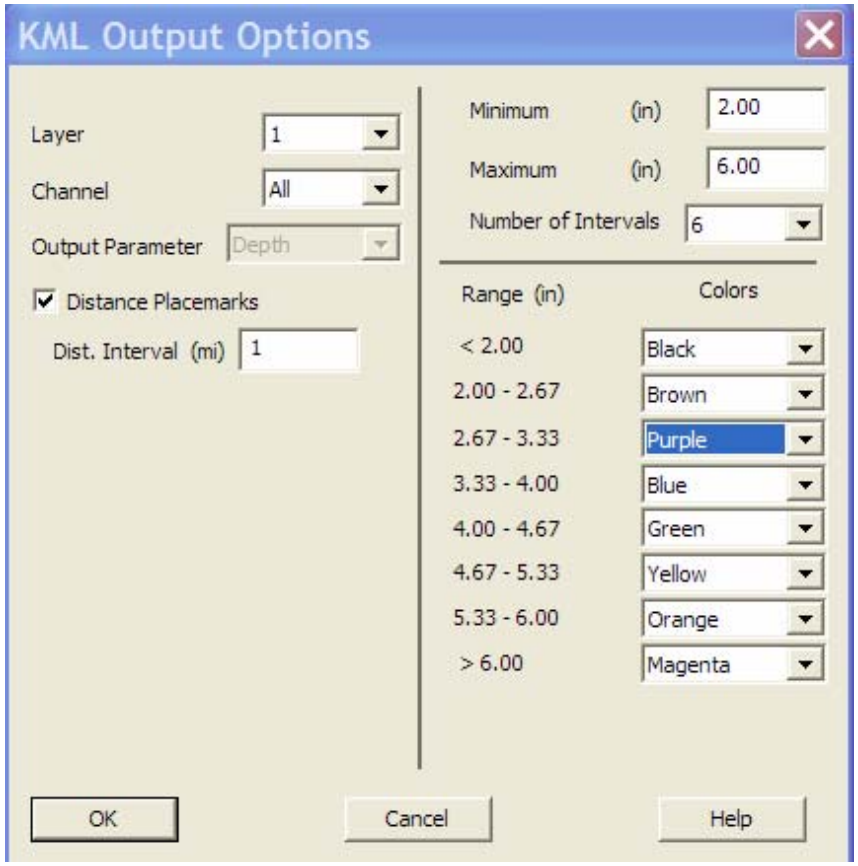
GSSI RADAN Mapping Module
Export Results to Google Earth KML file



Thank You!