High-Frequency (Light) Borehole-Radar System
Ramac from Mala Geoscience
Packing List

1) □ Radar control unit (Ramac surface GPR system) (Old or New CU2 is O.K.).
2) □ Laptop computer with acquisition software, manuals, logbook and protocol sheets.
3) □ Backup system; zip, jaz, or CD-writer and blank disks.
4) □ Control unit batteries, 12v adapter, battery chargers, fast chargers for antennas, antenna charging cables, and power-strip.
5) □ Parallel computer data cable (straight thru), trigger/beeper, long encoder cable(s).
6) □ Two tripods; one with digital encoder and other with analog depth encoder.
7) □ Toolbox with fiber-optic cleaning supplies, electrical tape, needle-nose pliers, etc.
8) □ 100 MHz transmitter and receiver antennas (with built in batteries).
9) □ Antenna battery / turn-on plugs, plug wrench, allen screws, allen wrenches.
10) □ 150 and 115 m fiber-optic kevlar-reinforced cables with 4 fiber optic conductors.
11) □ Strain relief ties or biners for fiber-optic cables.
12) □ Two to three tarps to coil and uncoil cables, stakes, hammer, and ratchet-straps to fix tripods.
13) □ Well-head shive(s) for boreholes with tall risers.
14) □ Gel cell batteries and chargers for laptop computer.
15) □ Table, chairs, easy-up.
16) □ Spare single fiber optic cables from receiver cable-head to transmitter with strain relief.
17) □ Antenna forks (2-3) with safety lines.
18) □ Surface radar antenna control electronics and radiating elements for trouble-shooting.
19) □ Fiberglass metric measuring tapes and plastic stakes.
20) □ Cleaning supplies: paper towels, decon bottles, liquinox, etc.
21) □ One KW generator for laptop, charging batteries, etc.; with gas can and extra gasoline.
22) □ Site work lights (halogen), extension cords, power strips.
23) □ E-tape and conductivity meter.
24) □ PSE: Gloves, hard-hat, goggles, rain-gear, flashlights, first-aid, etc.
25) □ Shipping cases and coolers for air-freight shipping via FedEx.

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