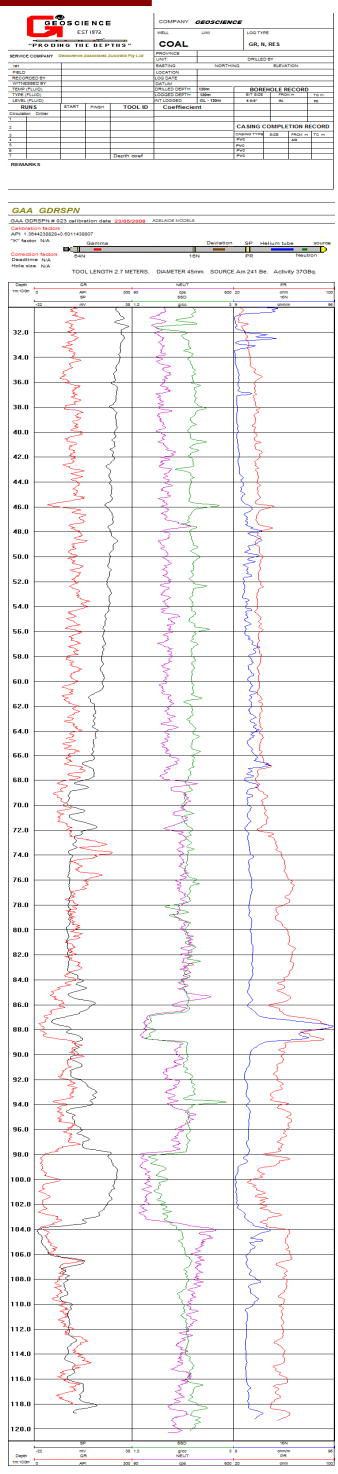
GEOSCIENCE
Since 1972
"PROBING THE DEPTHS"

MST



Tool	**M**ulti **S**urvey **T**ool Gamma, Deviation, 16" & 64" Resistivity, Point Resistivity, Spontaneous Potential, Neutron & Temperature
System Requirement	JT Logger
Software file format	Exported LAS files can be viewed in WellCad.
Diameter	45 mm
Length	2.70 m
Weight	13.5kg
Max Pressure	200 bars =2900psi
Max Temp	70ºC
Power Supply	48 V
Source	Am241Be, He

Spacing

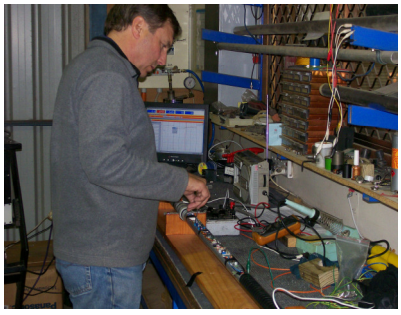
Gamma	0.235m
16N	1.495m
PR	1.695m
SP	1.290m
64	0.0847m
Deviation	1.500m
Temperature	2.100m
Neutron	2.470m

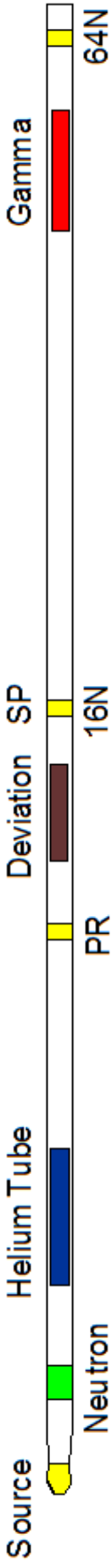
Min Hole Diameter	NQ
Logging Speed	6-8m per minute (general),2-4m per minute (detail)
Req Hole Attributes	Water filled hole (for all tools) and no casing for the electrical logs.
Calibration Details	Calibration is performed on a regular basis
PIN configuration	1 Power 2 & 3 Communications 4 Stake
Manufacturer	Geoscience Associates Australia at our Mt Barker workshop
Details / Benefits	A eight in one tool allows the user to quickly survey the hole and move to the next, efficiently gathering all relevant data. Less time in the hole also reduces potential issues with hole stability. For time saving and survey accuracy, MST is a MuST.

Specifications

Diameter	43mm
Length with source holder	270 cm
Max temperature	70 C
Max pressure	200 bars
Logging Speed	6 m/minute

Surveys	**Response Limits**	**Accuracy**
Natural Gamma	0-125,000 API units	+/-2.5%
Neutron	0-40,000 API units	+/-3%
64 Long	0-2000 Ohm/meters	+/-2.5%
16 Normal	0-2000 Ohm/meters	+/-2.5%
Single point resistance	0-2000 Ohm/meters	+/-3%
Spontaneous Potential	-750 -> +750mv	+/-3%
Temperature	0-80 degrees C	+/-0.5
Deviation	3-axis magnetometer, 3-axis accelerometer	
	Azimuth: 0-360º	+/-1.0º
	Tilt: 0-90º	+/- 0.5º





GAA is the Sole Australian Distributor of the PFN tool & MST