

Tool WITS IDs Recognized by the RDS

WITS ID	Parameter	WITS ID	Parameter
0010	Pumps Up Time	0731	Total gravity field (Toltech)
0108	Bit depth	0732	Total magnetic field (Toltech)
0110	Hole depth	0733	Temperature (Toltech)
0112	Block position	0734	Battery voltage (Toltech)
0113	ROP	0735	Z axis peak vibration (GV4)
0117	WOB	0736	XY axis peak vibration (GV5)
0119	Rotary torque	0737	Z axis average vibration (GV6)
0120	Rotary speed	0738	XY axis average vibration (GV7)
0121	Pump pressure	0815	Resistivity 1
0122	Casing pressure	0816	Resistivity 1 (corrected)
0128	Flow out	0819	Resistivity 2
0130	Flow in	0820	Resistivity 2 (corrected)
0140	Total gas average	0824	Gamma (corrected)
0141	(Spare) - RSSI (Sharewell)	0823	Gamma (raw)
0142	(Spare) – Total gravity field (Sharewell)	0824	Gamma (corrected)
0143	(Spare) – Total magnetic field (Sharewell)	0835	Temperature
0144	(Spare) – Gap Impedance (Sharewell)	0836	Temperature
0145	(Spare) – Dip angle (Sharewell)	0921	Battery voltage (Keydrill)
0146	(Spare) - Vibration (Sharewell)	6410	Average confidence factor
0713	Inclination	6411	Average signal amplitude
0714	Azimuth	6412	Pumps Down Timer
0715	Azimuth	6413	Pumps Up Timer
0716	Magnetic tool face	6415	Waveform data (see below)
0717	Gravity tool face	6425	Decoder pressure
0718	Survey North/-South (NS)	8908	Temperature (Extreme)
0719	Survey East/-West (EW)	8916	Magnetic toolface (Extreme)
0720	Survey Dogleg Severity (DLS)	8917	Gravity toolface (Extreme)
0723	Survey Section (VS)	9014	Dip angle (Extreme)
0725	Total magnetic field	9015	Toolface mode (Extreme)
0726	Total gravity field	9016	Total magnetic field (Extreme)
0728	Dip angle	9017	Total gravity field (Extreme)
0730	Dip angle		

NOTE: 6415 (waveform data) is a comma-separated list of values that represent the waveform display shape. A typical report would appear as:

641512.5,10,6,3,7,0,5,2,12,8,14.0,18.2

Each report is received at regular intervals usually 1 per second. The number of CSV values is variable and each report is concatenated to the previous set of data to form a longer waveform shape. The scaling of the values are arbitrary and the plot scale will auto-adjust to peak value of the data sets accumulated.