DL6000-MEDH+ MODBUS Mapping, Reading data values From Integer, Floating point & binary files of Allen Bradley PLC5

Below as shown we mapped :
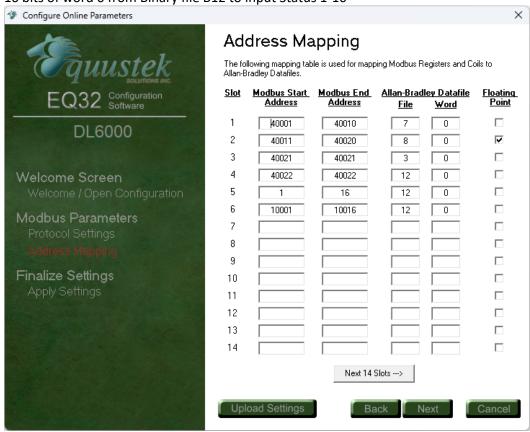10 words from Integer file N7 starting at word 0 to Registers 40001-40010
10 words from Floating point file F8 starting at word 10 to registers 40011-40020
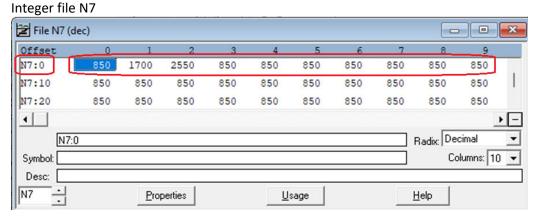1 word from Binary file B3 to register 40021
1 word from Binary file B12 to register 40022
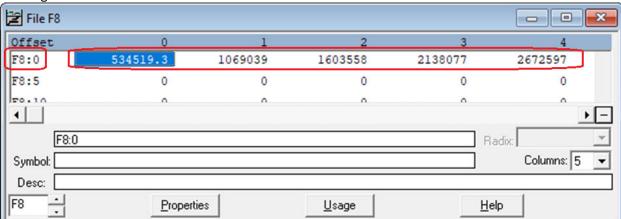16 bits of word 0 from Binary file B12 to Coils 1-16
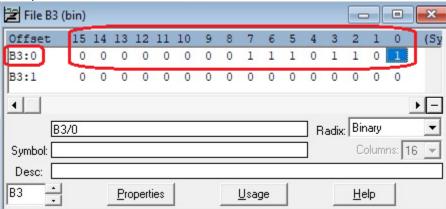16 bits of word 0 from Binary file B12 to input Status 1-16

Below are screen shots of data values of Integer file N7, Floating point File F8, Binary file B3 and Binary file B12 of the PLC5 that we are planning to read from the MODBUS side.
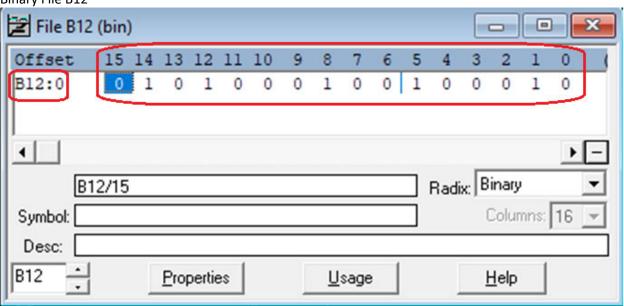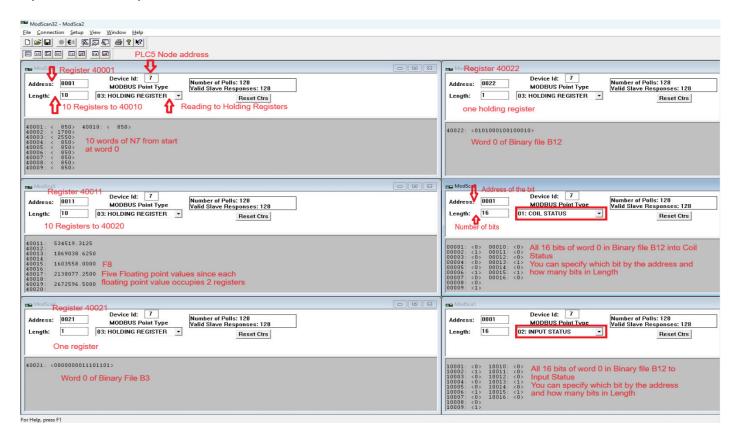Integer file N7

Floating File F8

Offset	0	1	2	3	4
F8:0	534519.3	1069039	1603558	2138077	2672597
F8:5	0	0	0	0	0
F8:10	0	0	0	0	0

F8:0

Radix:

Symbol:

Columns: 5

Desc:

F8

Properties   Usage   Help

Binary File B3

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Sy
B3:0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	1	
B3:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

B3/0

Radix: Binary

Symbol:

Columns: 16

Desc:

B3

Properties   Usage   Help

Binary File B12

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(
B12:0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	1	0	

B12/15

Radix: Binary

Symbol:

Columns: 16

Desc:

B12

Properties   Usage   Help

Using MODSCAN as a MODBUS master we see here that we were able to read from those files shown as for Binary we see that we can use either Holding register when we need all 16 bits or use Coil Status or Input Status when specific bits are needed.

MODBUS COMMAND CAPABILITIES

The DL6000-MEDH+ firmware module is compatible with the following Modbus commands: -

DH+ Modbus

Station #	Command Code	Command Description	Address
1-63	01	Read Coil Status	00001 - 09999
1-63	02	Read Input Status	10001 - 19999
1-63	03	Read Holding Register	40001 - 49999
1-63	04	Read Input Register	30001 - 39999
1-63	05	Force Single Coil	00001 - 09999
1-63	06	Pre-set Single Holding Register	40001 - 49999
1-63	16	Pre-set Multiple Holding Registers	40001 - 49999
00	05,06,16	Broadcast Command	

Note: Modbus command 15 (Force Multiple coils) is not available in slave mode.