DavisBase
Page Format Example

CS-6360
Chris Irwin Davis

Page Header

```
         0  1  2  3  4  5  6  7  8  9  A  B  C  D  E  F   0123456789ABCDEF
0000h:  0D 04 01 8C FF FF FF FF 01 E5 01 C7 01 AB 01 8C   ......... . ....
0010h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0020h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0030h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0040h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0050h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0060h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0070h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0080h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0090h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
00A0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
00B0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
00C0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
00D0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
00E0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
00F0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 AB   ................
0100h:  CD EF 33 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0110h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0120h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0130h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0140h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0150h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0160h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0170h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
0180h:  00 00 00 00 00 00 00 00 00 00 00 00 00 19 00 00   ................
0190h:  00 04 02 1A 09 42 61 72 62 61 72 61 20 54 61 79   .....Barbara Tay
01A0h:  6C 6F 72 40 0C 00 00 00 00 00 00 00 16 00 00 00   lor@............
01B0h:  03 02 17 09 44 61 76 69 64 20 57 65 6C 6C 73 40   ....David Wells@
01C0h:  0C 00 00 00 00 00 00 00 18 00 00 00 02 02 19 09   ................
01D0h:  4D 61 72 79 20 57 69 6C 6C 69 61 6D 73 40 0C 00   Mary Williams@..
01E0h:  00 00 00 00 00 00 15 00 00 00 01 02 16 09 4A 6F   ..............Jo
01F0h:  68 6E 20 53 6D 69 74 68 40 0C 00 00 00 00 00 00   hn Smith@.......
0200h:  |
```

This column

First Record
This record begins at page offset address 0x01E5

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0123456789ABCDEF
0000h:	0D	04	01	8C	FF	FF	FF	FF	01	E5	01	C7	01	AB	01	8C	....
0010h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0020h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0030h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0040h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0050h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0060h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0070h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0080h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0090h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
00A0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
00B0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
00C0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
00D0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
00E0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
00F0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	AB	....
0100h:	CD	EF	33	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0110h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0120h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0130h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0140h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0150h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0160h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0170h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	....
0180h:	00	00	00	00	00	00	00	00	00	00	00	00	00	19	00	00	....
0190h:	00	04	02	1A	09	42	61	72	62	61	72	61	20	54	61	79	.....Barbara Tay
01A0h:	6C	6F	72	40	0C	00	00	00	00	00	00	00	16	00	00	00	lor@............
01B0h:	03	02	17	09	44	61	76	69	64	20	57	65	6C	6C	73	40	....David Wells@
01C0h:	0C	00	00	00	00	00	00	00	18	00	00	00	02	02	19	09	....
01D0h:	4D	61	72	79	20	57	69	6C	6C	69	61	6D	73	40	0C	00	Mary Williams@..
01E0h:	00	00	00	00	00	00	15	00	00	00	01	02	16	09	4A	6F	...............Jo
01F0h:	68	6E	20	53	6D	69	74	68	40	0C	00	00	00	00	00	00	hn Smith@.......
0200h:																	

This row

First record begins here

Record Header

First Record
This record begins at page offset address 0x01E5

0x01E5
This column

```
       0  1  2  3  4  5  6  7  8  9  A  B  C  D  E  F   0123456789ABCDEF
0000h: 0D 04 01 8C FF FF FF FF 01 E5 01 C7 01 AB 01 8C  .........  . ....
0010h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0020h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0030h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0040h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0050h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0060h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0070h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0080h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0090h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00A0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00B0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00C0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00D0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00E0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00F0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 AB  ................
0100h: CD EF 33 00 00 00 00 00 00 00 00 00 00 00 00 00  ..3.............
0110h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0120h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0130h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0140h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0150h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0160h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
                  00                   00         00    ................
                  00                   00         00    ................
                  61                             79    .....Barbara Tay
                  00 00 00 00    00 16 00 00 00         lor@............
                  76 69 64 20 57 65 6C 6C 73 40         ....David Wells@
01C0h: 0C 00 00 00 00 00 00 00 18 00 00 00 02 02 19 09  ................
01D0h: 4D 61 72 79 20 57 69 6C 6C 69 61 6D 73 40 0C 00  Mary Williams@..
01E0h: 00 00 00 00 00 00 15 00 00 00 01 02 16 09 4A 6F  ...............Jo
01F0h: 68 6E 20 53 6D 69 74 68 40 0C 00 00 00 00 00 00  hn Smith@.......
0200h:                                                  
```
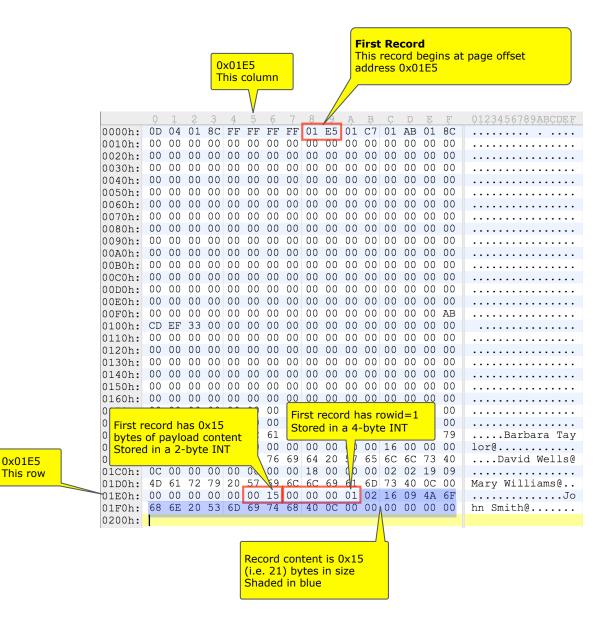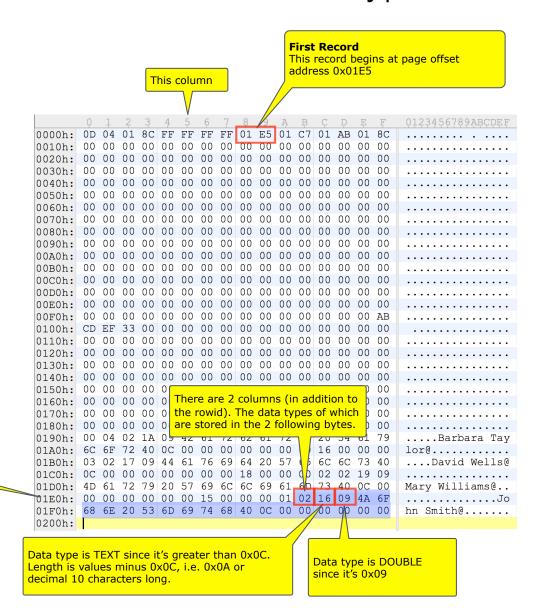
First record has 0x15 bytes of payload content
Stored in a 2-byte INT

First record has rowid=1
Stored in a 4-byte INT

0x01E5
This row

Record content is 0x15 (i.e. 21) bytes in size
Shaded in blue

Columns and Data Types

This column

First Record
This record begins at page offset address 0x01E5

```
       0  1  2  3  4  5  6  7  8  9  A  B  C  D  E  F    0123456789ABCDEF
0000h: 0D 04 01 8C FF FF FF FF 01 E5 01 C7 01 AB 01 8C  ......... . ....
0010h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0020h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0030h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0040h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0050h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0060h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0070h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0080h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0090h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00A0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00B0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00C0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00D0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00E0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00F0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 AB  ................
0100h: CD EF 33 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0110h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0120h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0130h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0140h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0150h: 00 00 00 00 00 0                             0 00  ..............
0160h: 00 00 00 00 00 0                             0 00  ..............
0170h: 00 00 00 00 00 0                             0 00  ..............
0180h: 00 00 00 00 00 0                             0 00  ..............
0190h: 00 04 02 1A 09 42 61 72 62 61 72 20 54 61 79      .....Barbara Tay
01A0h: 6C 6F 72 40 0C 00 00 00 00 00 00    16 00 00 00  lor@............
01B0h: 03 02 17 09 44 61 76 69 64 20 57 6 6C 6C 73 40  ....David Wells@
01C0h: 0C 00 00 00 00 00 00 00 18 00 00 00 02 02 19 09  ................
01D0h: 4D 61 72 79 20 57 69 6C 6C 69 61 6D 73 40 0C 00  Mary Williams@..
01E0h: 00 00 00 00 00 00 15 00 00 00 01 02 16 09 4A 6F  ..............Jo
01F0h: 68 6E 20 53 6D 69 74 68 40 0C 00 00 00 00 00 00  hn Smith@.......
0200h:                                                  
```

This row

There are 2 columns (in addition to the rowid). The data types of which are stored in the 2 following bytes.

Data type is TEXT since it's greater than 0x0C. Length is values minus 0x0C, i.e. 0x0A or decimal 10 characters long.

Data type is DOUBLE since it's 0x09

Content

```
        0  1  2  3  4  5  6  7  8  9  A  B  C  D  E  F   0123456789ABCDEF
0000h:  0D 04 01 8C FF FF FF FF 01 E5 01 C7 01 AB 01 8C  ......... . ....
0010h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0020h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0030h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0040h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0050h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0060h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0070h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0080h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0090h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00A0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00B0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00C0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00D0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00E0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
00F0h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 AB  ................
0100h:  CD EF 33 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0110h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0120h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0130h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0140h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0150h:  00 00 00 00 00 00 00 00 00 18 00 00 00 00 00 00  ................
0160h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0170h:  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  ................
0180h:  00 00 00 00 00 00 00 00 00 00 00 00 00 19 00 00  ................
0190h:  00 04 02 1A 09 42 61 72 62 61 72 61 20 54 61 79  .....Barbara Tay
01A0h:  6C 6F 72 40 0C 00 00 00 00 00 00 00 16 00 00 00  lor@............
01B0h:  03 02 17 09 44 61 76 69 64 20 57 65 6C 6C 73 40  ....David Wells@
01C0h:  0C 00 00 00 00 00 00 00 18 00 00 00 02 02 19 09  ................
01D0h:  4D 61 72 79 20 57 69 6C 6C 69 61 6D 73 40 0C 00  Mary Williams@..
01E0h:  00 00 00 00 00 00 15 00 00 00 01 02 16 09 4A 6F  ...............Jo
01F0h:  68 6E 20 53 6D 69 74 68 40 0C 00 00 00 00 00 00  hn Smith@.......
0200h:
```

Content

First Record
This record begins at page offset address 0x01E5

Data type is DOUBLE since it's 0x09

The 8-byte double precision floating point (shaded in blue).