

Table 1: **GICO3 Correlator Output File Format [Version 1.0.0.0]**

Address	00	01	02	03	04	05	06	07	08	09	0a	0b	0c	0d	0e	0f
Header Region																
0x000-0x00f	Magic Word [<i>0x3ea2f983</i>]				Header Version [<i>0x01000000</i>]				Software Version [<i>int</i>]				Sampling Speed [<i>int</i>]			
0x010-0x01f	Ovserved Frequency [<i>double</i>]								FFT-Point [<i>int</i>]				Number of Sector [<i>int</i>]			
0x020-0x02f	Station-1 Name [<i>char × 16</i>]															
0x030-0x03f	Station-1 Position-X [<i>double</i>]								Station-1 Position-Y [<i>double</i>]							
0x040-0x04f	Station-1 Position-Z [<i>double</i>]								Free-Area [default : <i>0x00000000</i>]							
0x050-0x05f	Station-2 Name [<i>char × 16</i>]															
0x060-0x06f	Station-2 Position-X [<i>double</i>]								Station-2 Position-Y [<i>double</i>]							
0x070-0x07f	Station-2 Position-Z [<i>double</i>]								Free-Area [default : <i>0x00000000</i>]							
0x080-0x08f	Source Name [<i>char × 16</i>]															
0x090-0x09f	Source Position-Ra [<i>double</i>]								Source Position-Dec [<i>double</i>]							
0x0a0-0x0af	Free-Area [default : <i>0x00000000-0x00000000-0x00000000-0x00000000</i>]															
0x0b0-0x0bf	Free-Area [default : <i>0x00000000-0x00000000-0x00000000-0x00000000</i>]															
0x0c0-0x0cf	Free-Area [default : <i>0x00000000-0x00000000-0x00000000-0x00000000</i>]															
0x0d0-0x0df	Free-Area [default : <i>0x00000000-0x00000000-0x00000000-0x00000000</i>]															
0x0e0-0x0ef	Free-Area [default : <i>0x00000000-0x00000000-0x00000000-0x00000000</i>]															
0x0f0-0x0ff	Free-Area [default : <i>0x00000000-0x00000000-0x00000000-0x00000000</i>]															
First Sector Region																
0x100-0x10f	Correlation Start Sec [<i>time_t</i>]				Correlation Start NanoSec [<i>int</i>]				Correlation Stop Sec [<i>time_t</i>]				Correlation Stop NanoSec [<i>int</i>]			
0x110-0x11f	Station-1 Clock Epoch Sec [<i>time_t</i>]				Station-1 Clock Epoch NanoSec [<i>int</i>]				Station-1 Clock Delay [<i>double</i>]							
0x120-0x12f	Station-1 Clock Rate [<i>double</i>]								Station-1 Clock Acel [<i>double</i>]							
0x130-0x13f	Station-1 Clock Jerk [<i>double</i>]								Station-1 Clock Snap [<i>double</i>]							
0x140-0x14f	Station-2 Clock Epoch Sec [<i>time_t</i>]				Station-2 Clock Epoch NanoSec [<i>int</i>]				Station-2 Clock Delay [<i>double</i>]							
0x150-0x15f	Station-2 Clock Rate [<i>double</i>]								Station-2 Clock Acel [<i>double</i>]							
0x160-0x16f	Station-2 Clock Jerk [<i>double</i>]								Station-2 Clock Snap [<i>double</i>]							
0x170-0x17f	Effective Integration Length [<i>float</i>]				Free-Area [default : <i>0x00000000-0x00000000-0x00000000</i>]											
0x180-0x18f	Real[0] [<i>float</i>]				Imag[0] [<i>float</i>]				Real[1] [<i>float</i>]				Imag[1] [<i>float</i>]			
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.....	.															
.....	.															
.....	Real[FFT_Point/2-2] [<i>float</i>]				Imag[FFT_Point/2-2] [<i>float</i>]				Real[FFT_Point/2-1] [<i>float</i>]				Imag[FFT_Point/2-1] [<i>float</i>]			
Second Sector																
.....	Correlation Start Sec [<i>time_t</i>]				Correlation Start NanoSec [<i>int</i>]				Correlation Stop Sec [<i>time_t</i>]				Correlation Stop NanoSec [<i>int</i>]			
.....	Station-1 Geometry-Sec [<i>time_t</i>]				Station-1 Geometry-NanoSec [<i>int</i>]				Station-1 Geometry-Delay [<i>double</i>]							
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