

```

void
saveFile (ULONGLONG** rbuf, int quantity, int capture_mode)
{
    int          j;
    char          fname1[80], fname2[80];
    FILE          *fd1, *fd2;
    ULONGLONG*   buffer;

    int  idx,jdx;
    int  div;

    div = (capture_mode == ICS554_CAPTURE)?1:4;

    printf ("\nEnter file name with extension for channel 1 or 3:");
    scanf ("%s", fname1);
    printf ("\n");

    printf ("\nEnter file name with extension for channel 2 or 4:");
    scanf ("%s", fname2);
    printf ("\n");

    if (NULL == ((fd1 = fopen (fname1, "w"))) // "w" steht für write bei Fehler fd1 = NULL
        || (NULL == (fd2 = fopen (fname2, "w"))))
        printf ("\nCannot open file %s or %s.\n", fname1, fname2);
    else {
        printf ("\nFile %s and %s opened O.K.\n", fname1, fname2);

        for (j = 0; j < quantity; j++) {
            idx = j/(quantity/div);
            jdx = j%(quantity/div);
            buffer = rbuf[idx];

            fprintf (fd2, "%d\r\n", (short int) ((buffer[jdx] >> 48 & 0x0FFFF));
            fprintf (fd1, "%d\r\n", (short int) ((buffer[jdx] >> 32 & 0x0FFFF));
            fprintf (fd2, "%d\r\n", (short int) ((buffer[jdx] >> 16 & 0x0FFFF));
            fprintf (fd1, "%d\r\n", (short int) ((buffer[jdx] & 0x0FFFF));
        }
        fclose (fd1);
        fclose (fd2);
    }
}

```