SpikeSorter *.tsf* recording data file format specification[1]

	# of bytes	data type	Value
file header	16	character	'Test spike file '
	2	integer	1002
	4	integer	Sampling frequency (Hz)
	4	integer	# of channels (N_c)
	4	integer	# of voltage samples (M)
	4	real	voltage scaling (μV/bit)
channel information	repeat for each channel i.e. for n= 1 to N_c :		
	2	signed integer	x coordinate of channel n (microns)
	2	signed integer	y coordinate of channel n (microns)
	4	integer	sort order of channel n (vertical position in display)[2]
voltages	repeat for each channel i.e. for n=1 to N_c :		
	$M \times 2$	signed integer	voltage values for channel n
events and clustering	4	integer	# of events, N_e
	if N_e =0 finish, else, for n=1 to N_e :		
	4	integer	time of event n (index into voltage record, 1-based)[3]
	for n=1 to N_e :		
	4	integer	cluster ID of event n (0 – max # of clusters)[4]
	for n=1 to N_e :		
	4	integer	assigned channel of event n (1 – N_c)

1. A separate channel config file is not required for this format.

2. Channels will be identified (e.g. in displays) by number, beginning with 1, in the order they occur in this record. Values of sort order must also be in the range 1 – N_c. The sort order determines the vertical order of display on-screen, e.g. if channel 25 has a sort order of 1, it will appear at the top of the display, numbered as channel 25.

3. Indices should be at least approximately sequential to allow fast calculation of correlograms.

4. Clusters should be numbered from 1 to max clusters with no gaps. A value of zero indicates an unclustered event.