Procedure for CPT Output from CLIMSOFT

Step 1: The stations required for CPT analysis are selected in the **station** table in the **main Climsoft database**. The selection is done by checking the box in the **CPT_selection** column of the station table as shown in Fig 1. The screenshot below shows some GTS stations selected for CPT analysis for Niger.

Fig 1. Station selection

Step 2: After log on to CLIMSOFT, Click on "**Products**" button on the **Welcome** screen. See Fig 2 below.
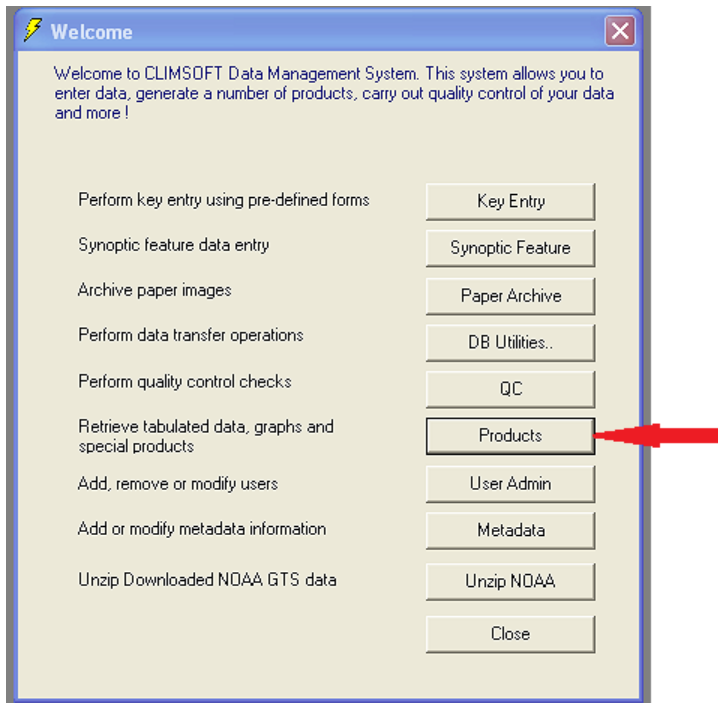
Fig 2. CLIMSOFT Welcome screen showing the products button.

Step 3: The next screens shown in Fig 3, that appears after clicking the **Products** button shows a number of options for products. Click on **Data** Button.
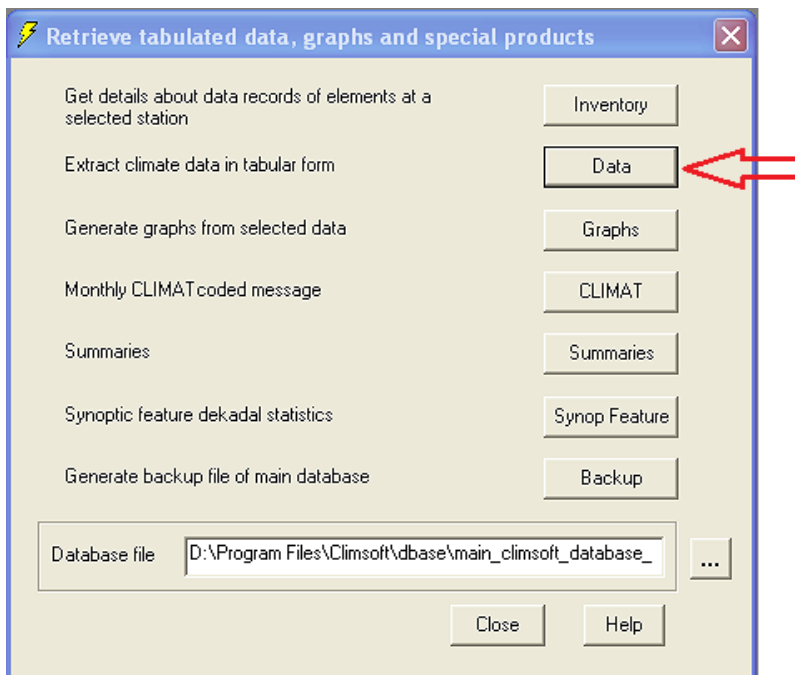
Fig 3.Dialogue with different options for products

Step 4: On the dialogue that appears next, choose **CPT output** and click **OK** as shown in Fig 4

Fig 4. Data output options

Step 5: On the CPT dialogue enter the required parameters , namely , **Begin Year**, **End Year, Begin Month** and **End Month.** Next, click **Execute** button. Information will appear above the **Execute** button to show that processing is in progress.

Fig 5. Dialogue for entering parameters for required data range

Step 6: When processing is complete the message above the **Execute** changes to show that processing is complete and a standard message box will appear indicating that the CPT data table has been created.
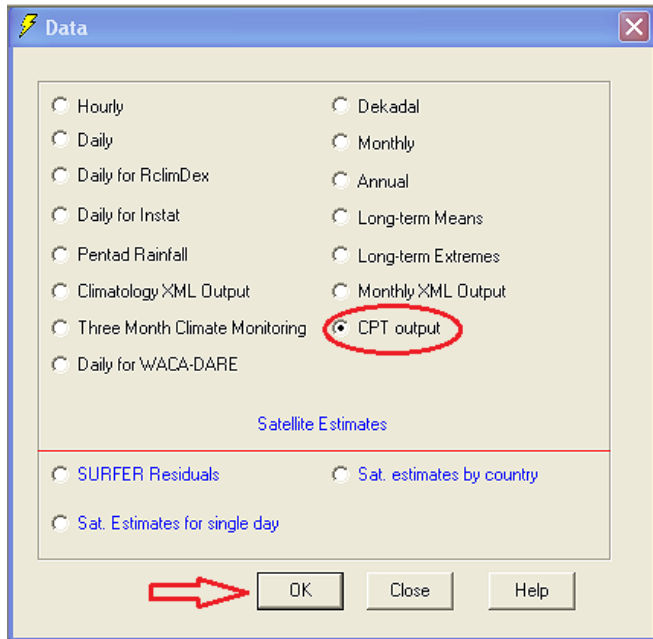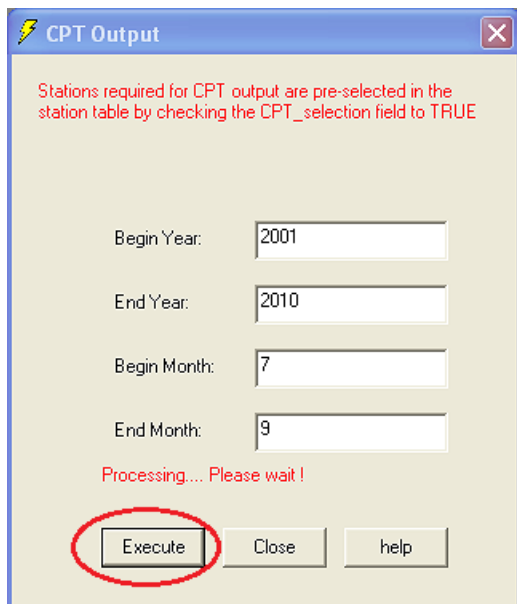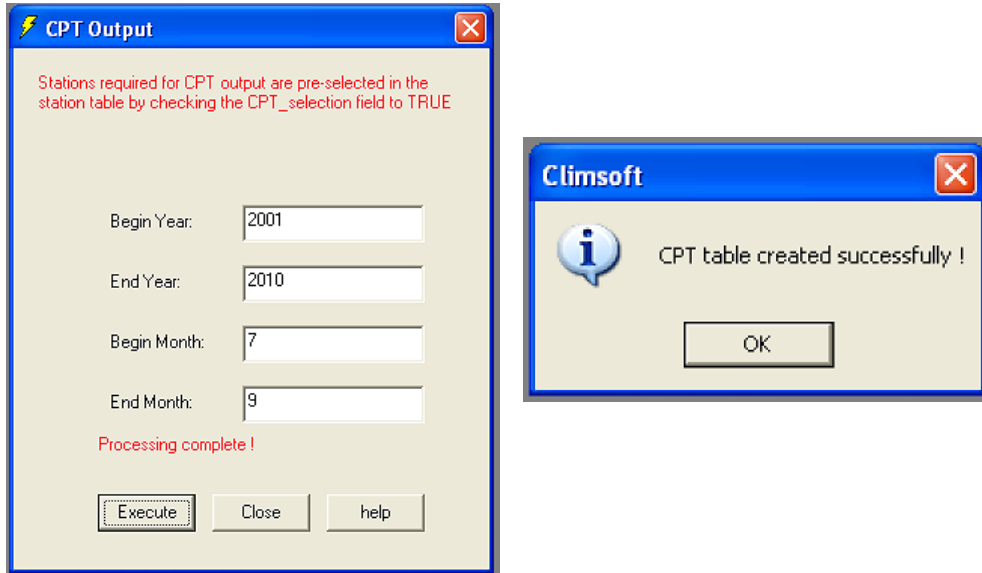

Fig 6. Completion of CPT output

Step 7: The generated data table for CPT is stored in the CLIMSOFT **Data** subfolder under the name **CPT_output** and will be in CSV format which can be viewed in Excel. The station ID appears in the first row. This example shows WMO station ID, but NMHSs should use the local ID. Station ID was used to represent the station to avoid editing long station names to meet the criteria for CPT which stipulates that the station name must not have spaces and the length of the name must <= 16 characters.

	A	B	C	D	E	F	G	H	I	J	K
1	STN	61017	61024	61036	61043	61045	61052	61053	61075	61090	61099
2	LAT	18.68333	16.96667	14.2	14.9	13.98333	13.48333	13.03333	13.8	13.78333	11.88333
3	LON	12.91667	7.983333	1.45	5.25	10.3	2.166667	3.3	5.25	8.983334	3.45
4	2001-07_09	10.7	72.6	295.5	375.3	357.5	453.3	-999	240.6	384.8	532.5
5	2002-07_09	0	128.2	212.9	269.1	172.2	297.5	-999	327.4	265.9	544.3
6	2003-07_09	2	156.8	83.2	222.6	190.6	359.5	-999	282.2	377.5	605.2
7	2004-07_09	35.1	153.7	229.8	127.4	240.7	368.8	-999	351.9	281.3	400.4
8	2005-07_09	0	131.5	41.9	153.6	146.7	414.5	-999	166.8	327.3	453.3
9	2006-07_09	2	150.5	-999	138.6	162.5	255.3	-999	251.4	365.3	552.6
10	2007-07_09	0	227.9	371	159.8	189	399.8	-999	157.9	433.9	355.3
11	2008-07_09	-999	100.6	123.7	399.6	38.8	376.4	-999	266	373.8	408.7
12	2009-07_09	0.5	148.8	146.6	272.5	85	488.1	-999	241.2	312.5	518
13	2010-07_09	6.7	172.8	372.3	250.1	350	356.4	109.9	407.1	423.8	447.1
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Fig 7. CPT output from CLIMSOFT displayed in Excel