# Excel Sheet used for computing temperatures

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FCp |  | **Pinch** | 10 | (look at left of Hex B) | | |  |  |  |
| H1 | 2 |  |  |  |  |  |  |  |  |  |
| H2 | 4 |  |  |  |  |  |  |  |  |  |
| C1 | 3 |  |  |  |  |  |  |  |  |  |
| C2 | 2.6 |  |  |  |  |  |  |  |  |  |
|  |  |  | 180 |  | 150 |  | 60 |  | 30 |  |
| CU | 160 |  | **H1** |  | **H2** |  | **C1** |  | **C2** |  |
| A | 60 |  | TAC | 150 | TBD | 112.5 | TEB | 90 | TFD | 84.61538 |
| B | 150 |  | TCF | 111 | TDE | 102.5 | TBA | 140 | TDC | 100 |
| C | 78 |  | Texit | 40 | TE-CU | 80 | TA-HU | 160 | Texit | 130 |
| D | 40 |  |  |  | Texit | 40 | Texit | 180 |  |  |
| E | 90 |  |  |  |  |  |  |  |  |  |
| F | 142 |  |  |  |  |  |  |  |  |  |
| HU | 60 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Remove D |  |  |  |  |  |  |  |  |  |  |
| Loop | D-FF-AA-BB-D | |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 180 |  | 150 |  | 60 |  | 30 |  |
| CU | 160 |  | **H1** |  | **H2** |  | **C1** |  | **C2** |  |
| A | 20 |  | TAC | 170 | TBD | 102.5 | TEB | 90 | TFD | 100 |
| B | 190 |  | TCF | 131 | TDE | 102.5 | TBA | 153.3333 | TDC | 100 |
| C | 78 |  | Texit | 40 | TE-CU | 80 | TA-HU | 160 | Texit | 130 |
| D | 0 |  |  |  | Texit | 40 | Texit | 180 |  |  |
| E | 90 |  |  |  |  |  |  |  |  |  |
| F | 182 |  |  |  |  |  |  |  |  |  |
| HU | 60 |  |  |  |  |  |  |  |  |  |
| Use HU-B-CU loop | | Decrease B by 40 | |  | delta T negative across B!!!! | | |  |  |  |
|  |  |  | 180 |  | 150 |  | 60 |  | 30 |  |
| CU | 200 |  | **H1** |  | **H2** |  | **C1** |  | **C2** |  |
| A | 20 |  | TAC | 170 | TBD | 112.5 | TEB | 90 | TFD | 100 |
| B | 150 |  | TCF | 131 | TDE | 112.5 | TBA | 140 | TDC | 100 |
| C | 78 |  | Texit | 40 | TE-CU | 90 | TA-HU | 146.6667 | Texit | 130 |
| D | 0 |  |  |  | Texit | 40 | Texit | 180 |  |  |
| E | 90 |  |  |  |  |  |  |  |  |  |
| F | 182 |  |  |  |  |  |  |  |  |  |
| HU | 100 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Remove C | C-FF-C |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| CU | 200 |  | **H1** |  | **H2** |  | **C1** |  | **C2** |  |
| A | 20 |  | TAC | 170 | TBD | 112.5 | TEB | 90 | TFD | 130 |
| B | 150 |  | TCF | 170 | TDE | 112.5 | TBA | 140 | TDC | 130 |
| C | 0 |  | Texit | 40 | TE-CU | 90 | TA-HU | 146.6667 | Texit | 130 |
| D | 0 |  |  |  | Texit | 40 | Texit | 180 |  |  |
| E | 90 |  |  |  |  |  |  |  |  |  |
| F | 260 |  |  |  |  |  |  |  |  |  |
| HU | 100 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Remove E | E-BB-E |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| CU | 200 |  | **H1** |  | **H2** |  | **C1** |  | **C2** |  |
| A | 20 |  | TAC | 170 | TBD | 90 | TEB | 60 | TFD | 130 |
| B | 240 |  | TCF | 170 | TDE | 90 | TBA | 140 | TDC | 130 |
| C | 0 |  | Texit | 40 | TE-CU | 90 | TA-HU | 146.6667 | Texit | 130 |
| D | 0 |  |  |  | Texit | 40 | Texit | 180 |  |  |
| E | 0 |  |  |  |  |  |  |  |  |  |
| F | 260 |  |  |  |  |  |  |  |  |  |
| HU | 100 |  |  |  |  |  |  |  |  |  |