

**Contents of variables used in program L1b2L1aHFEM1CPDS.f**

| variable | contents                            | type                           |
|----------|-------------------------------------|--------------------------------|
| filen    | name of the output file             | 28 characters                  |
| stdy     | Apollo station number & day of year | 6 characters                   |
| time     | time string up to minutes           | 15 characters                  |
| tf       | time flag                           | single character               |
| df       | data flag                           | single character               |
| meas     | measurement numbers                 | 4x6 sets of 5 characters       |
| mna      | decimal parts of measurement Nos.   | 16 double characters           |
| mnx      | letter parts of measurement Nos.    | 4 single characters            |
| timej    | full time strings                   | 16 sets of 21 characters       |
| ftj      | time flags                          | 16 sets of single characters   |
| dfj      | data flags                          | 4x16 sets of single characters |
| cr       | carriage return                     | single byte                    |
| in       | input data                          | 7x128 2-byte binary integers   |
| itd      | time delays in ms                   | 4 integers                     |
| kth      | temporarily saved data              | 6x2x4 integers                 |
| khj      | decoded data                        | 4x16 integers                  |
| mode1    | mode 1 flag                         | single logical character       |
| ofx      | output flag                         | single logical character       |
| j and i  | measurement number pointers         | single integers                |
| tds      | time delay offset                   | single real number             |
| ls       | last measurement identification +1  | single integer                 |
| nr       | next expected heat flow word No.    | single integer                 |
| id1      | starting day                        | single integer                 |
| id2      | ending day                          | single integer                 |
| id       | current day                         | single integer                 |
| nrec     | record number                       | single integer                 |
| k        | data frame number                   | single integer                 |
| in6      | 6 <sup>th</sup> input word          | single integer                 |
| in7      | 7 <sup>th</sup> input word          | single integer                 |
| kfc      | frame count                         | single integer                 |
| kr       | heat flow word number               | single integer                 |
| ks       | measurement identification(PPPP) +1 | single integer                 |
| it       | temporary part of time string       | single integer                 |
| kd       | current day                         | single integer                 |
| kh       | current hour                        | single integer                 |
| km       | current minute                      | single integer                 |
| sec      | current second                      | single real number             |
| i        | time character pointer              | single integer                 |