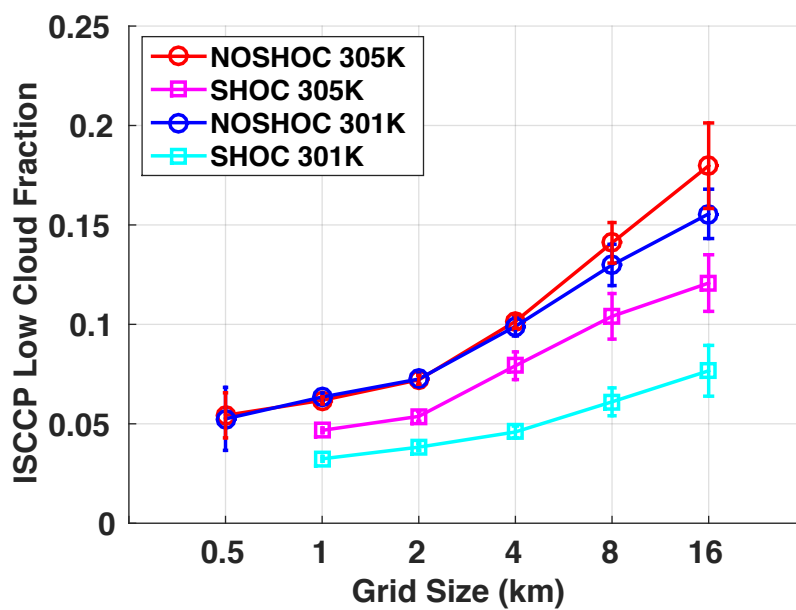
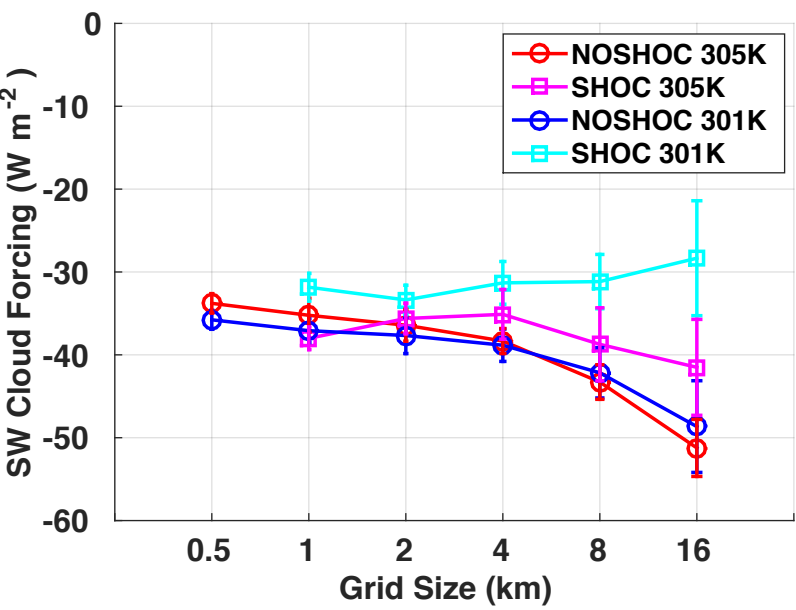
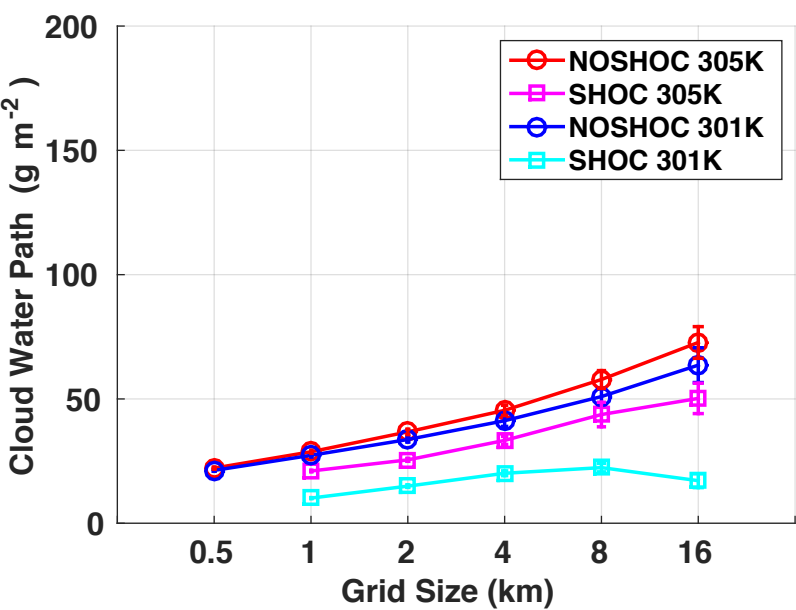
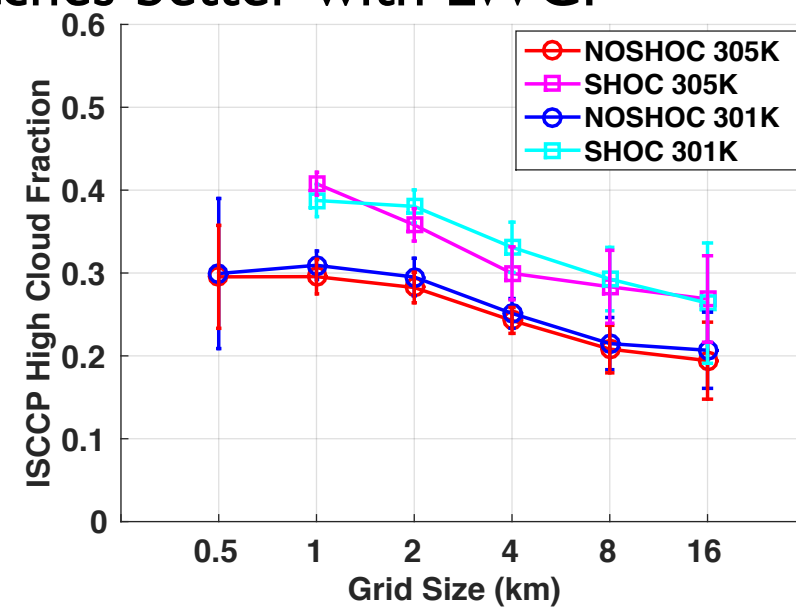
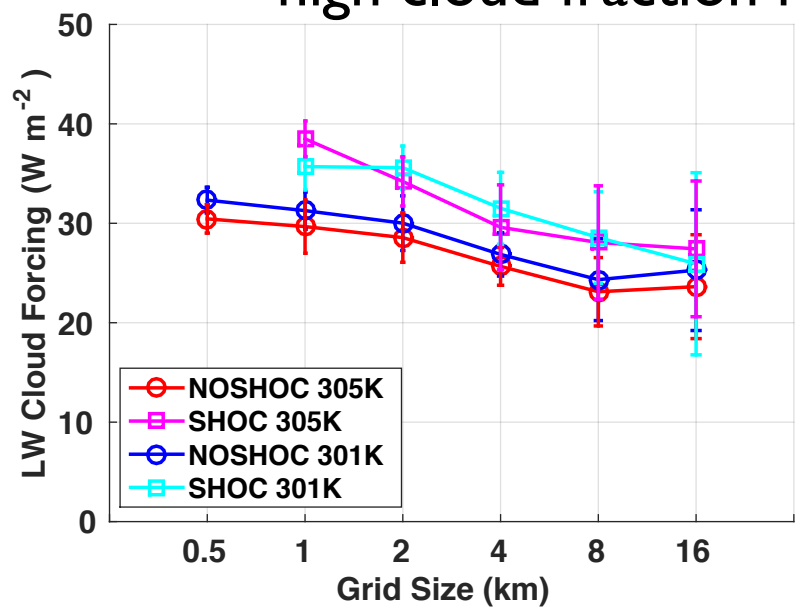
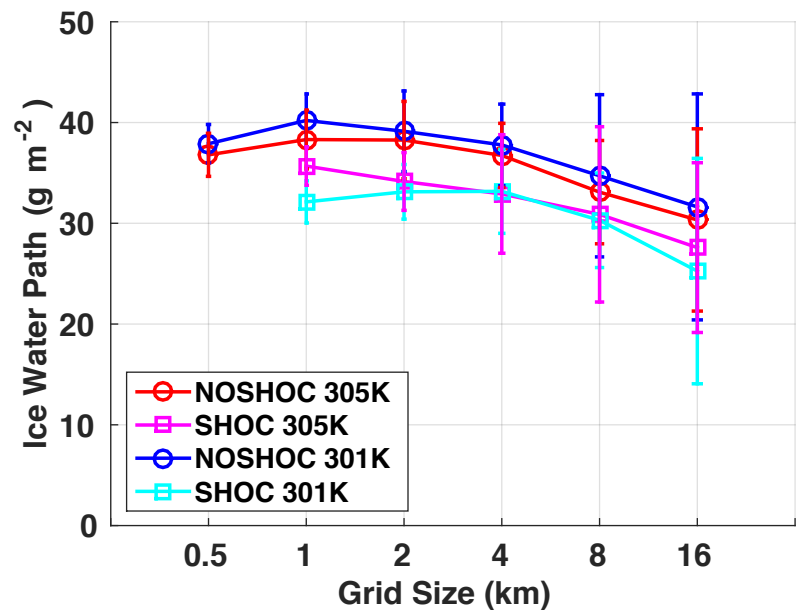


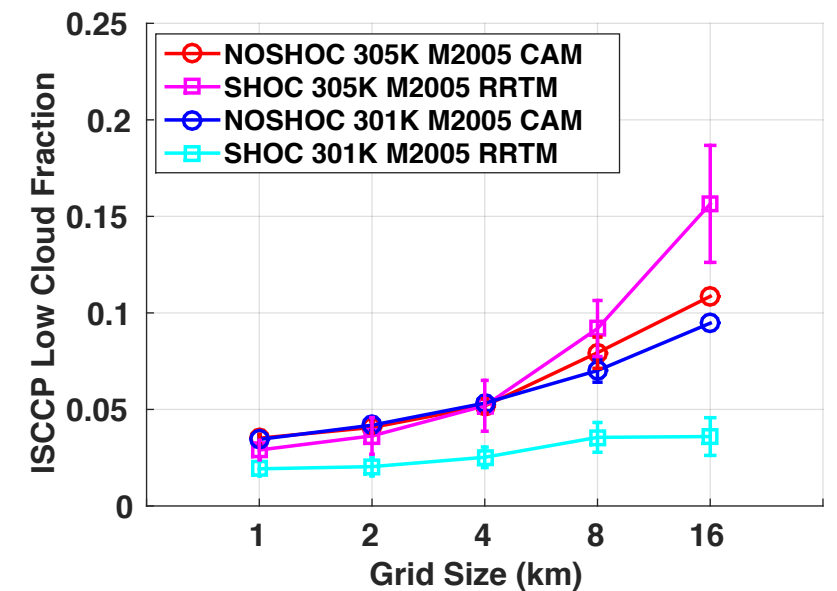
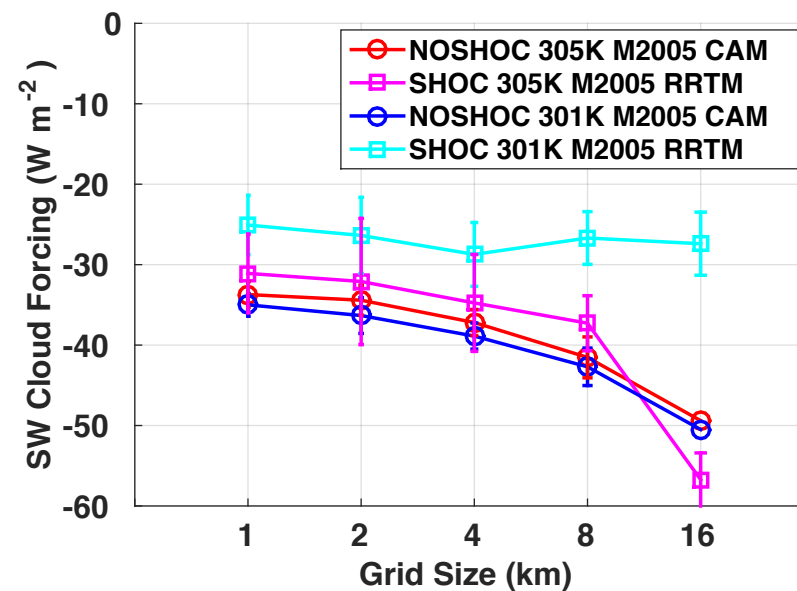
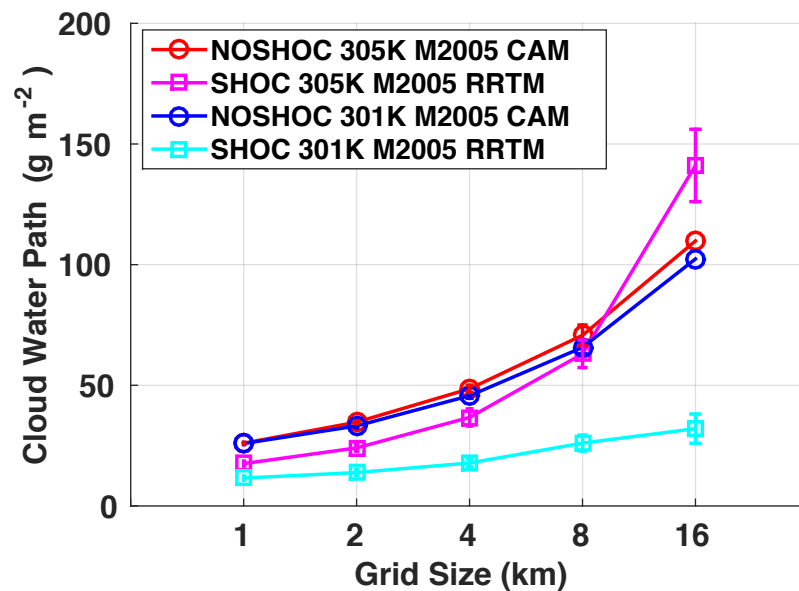
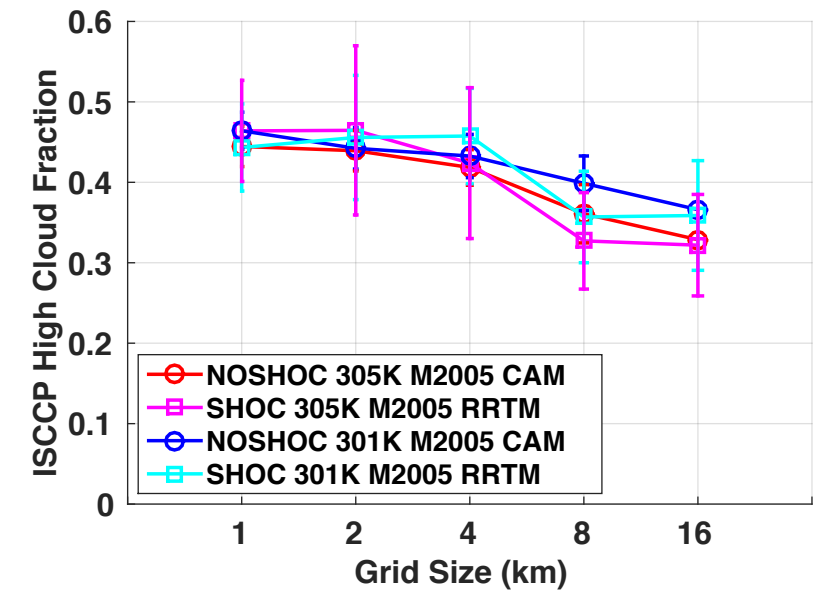
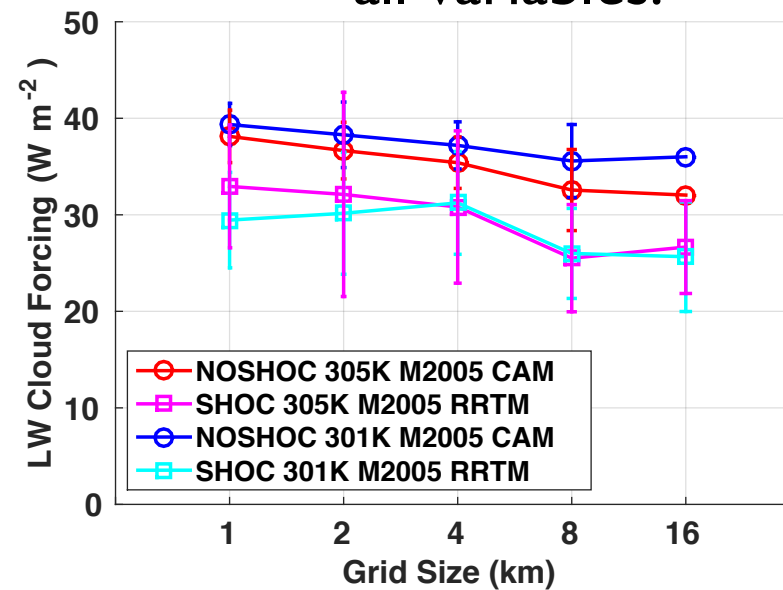
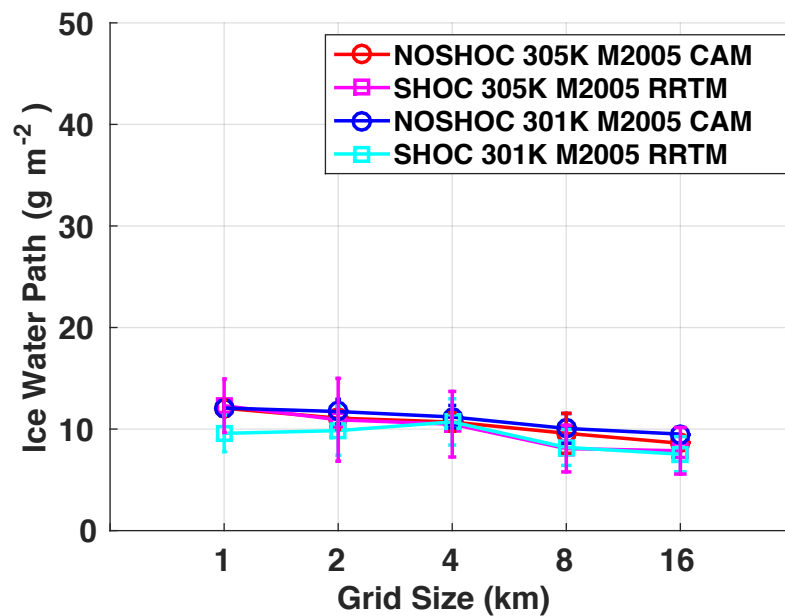
# CWP/IWP vs LWCF/SWCF vs Cloud Fraction (Single Moment)

high cloud fraction matches better with LWCF

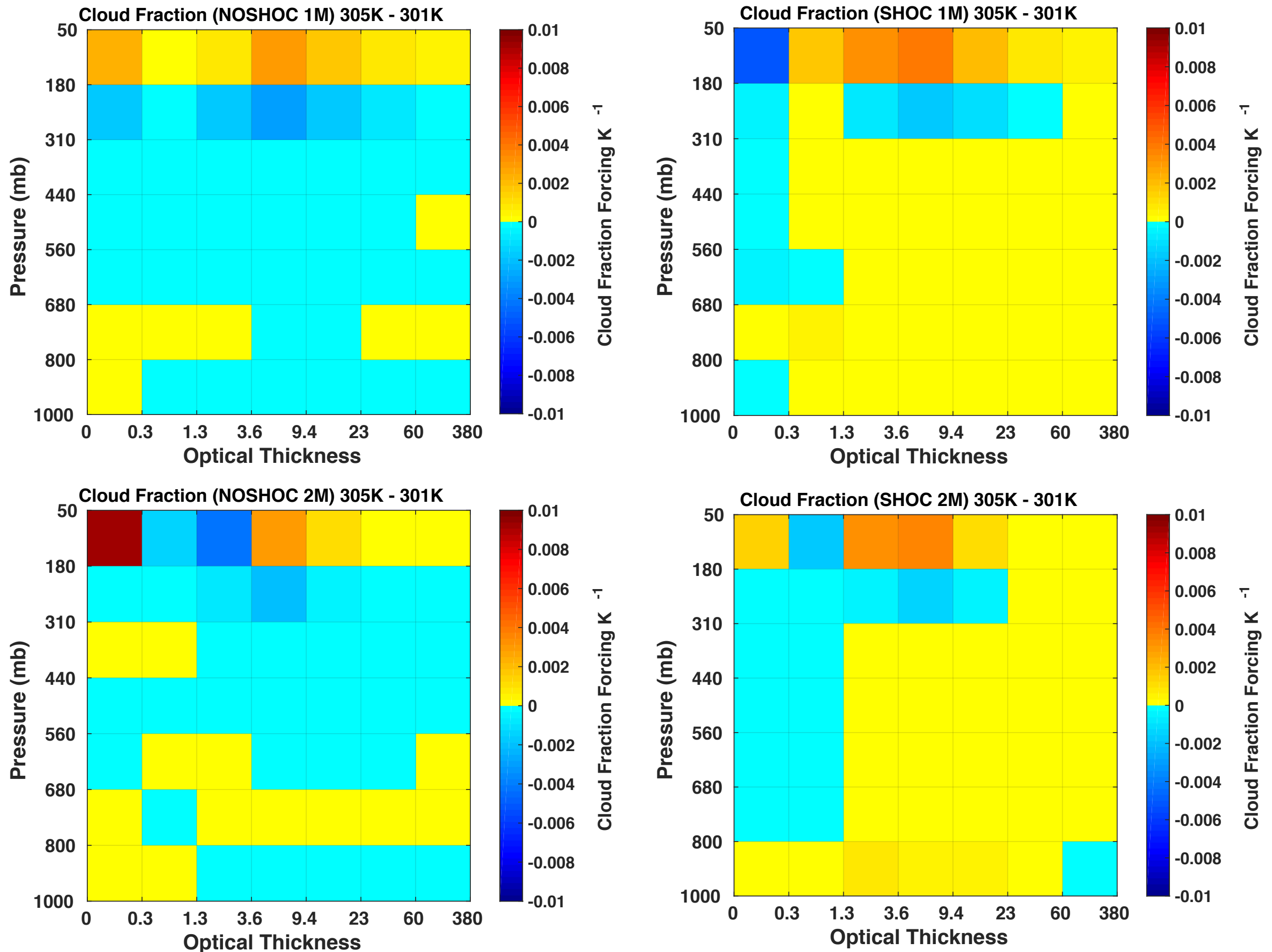


# CWP/IWP vs LWCF/SWCF vs Cloud Fraction (Double Moment)

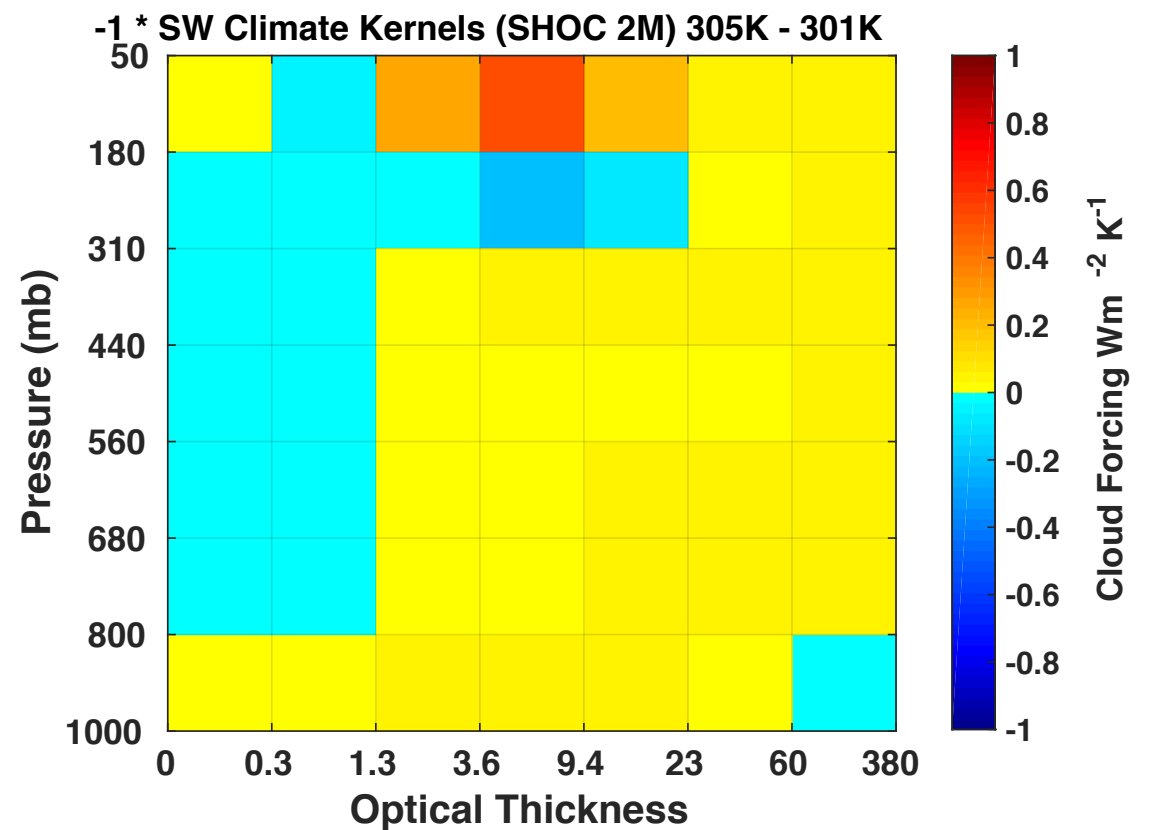
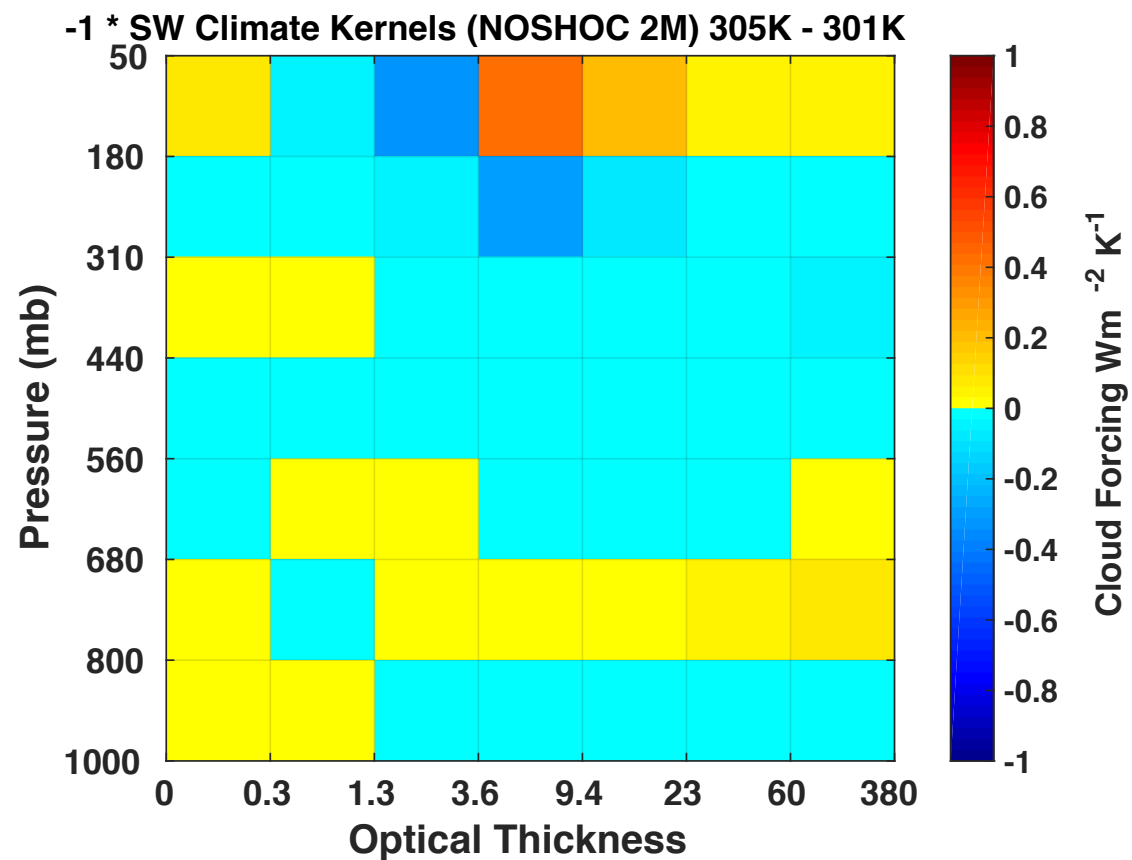
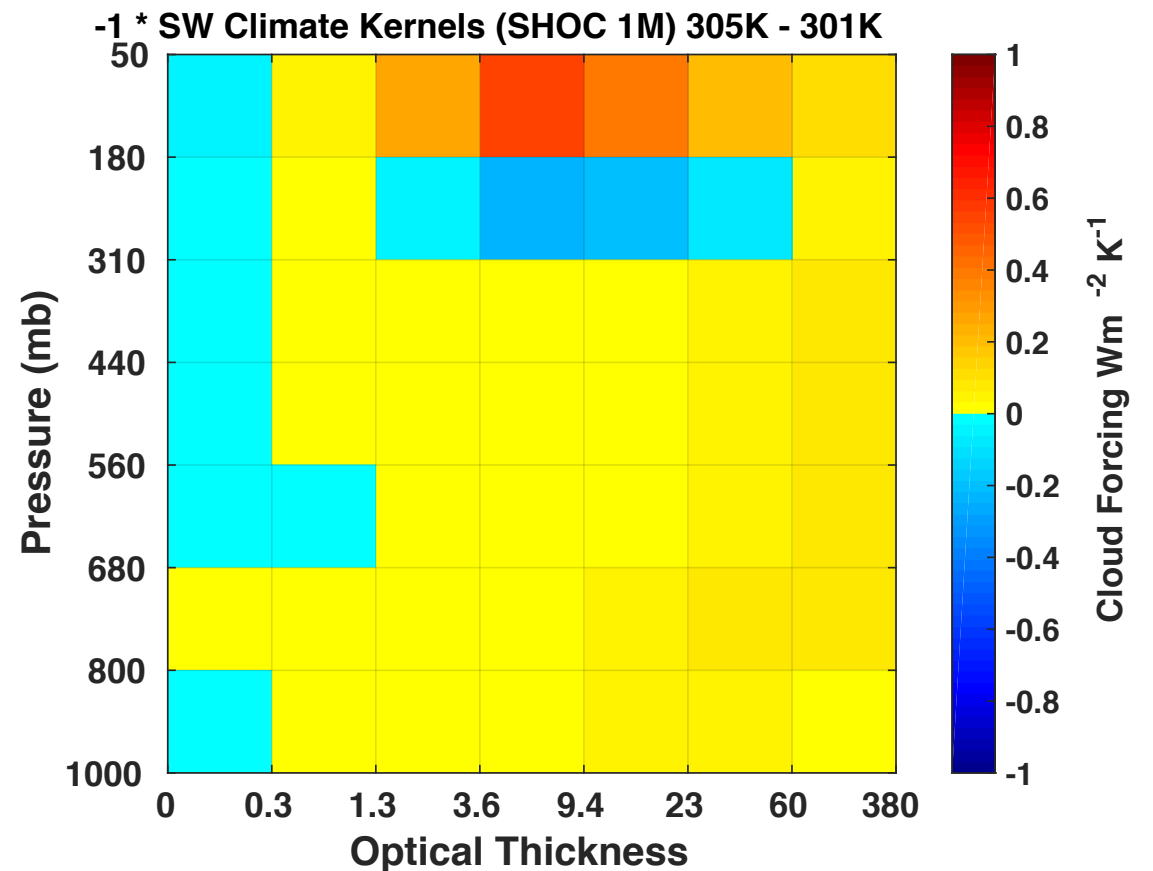
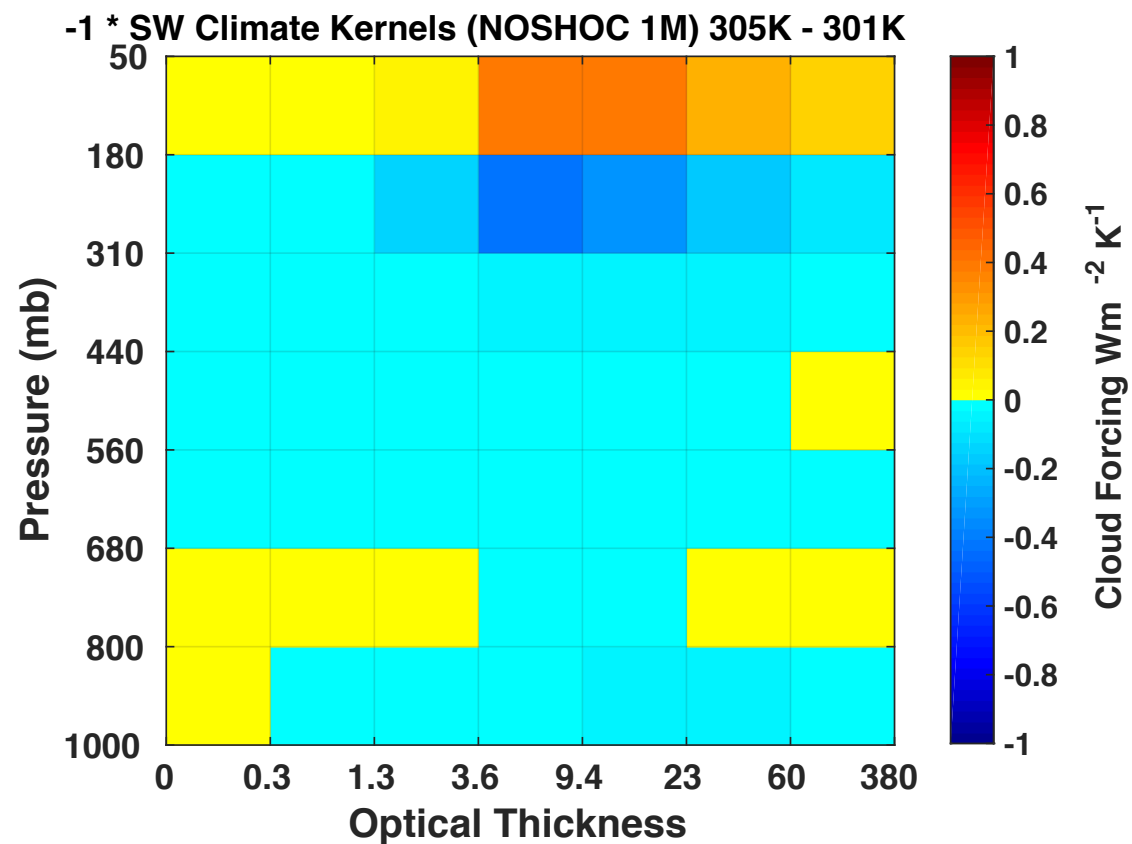
Source of LWCF difference uncertain, though of note is that SHOC has large standard deviations in all variables.



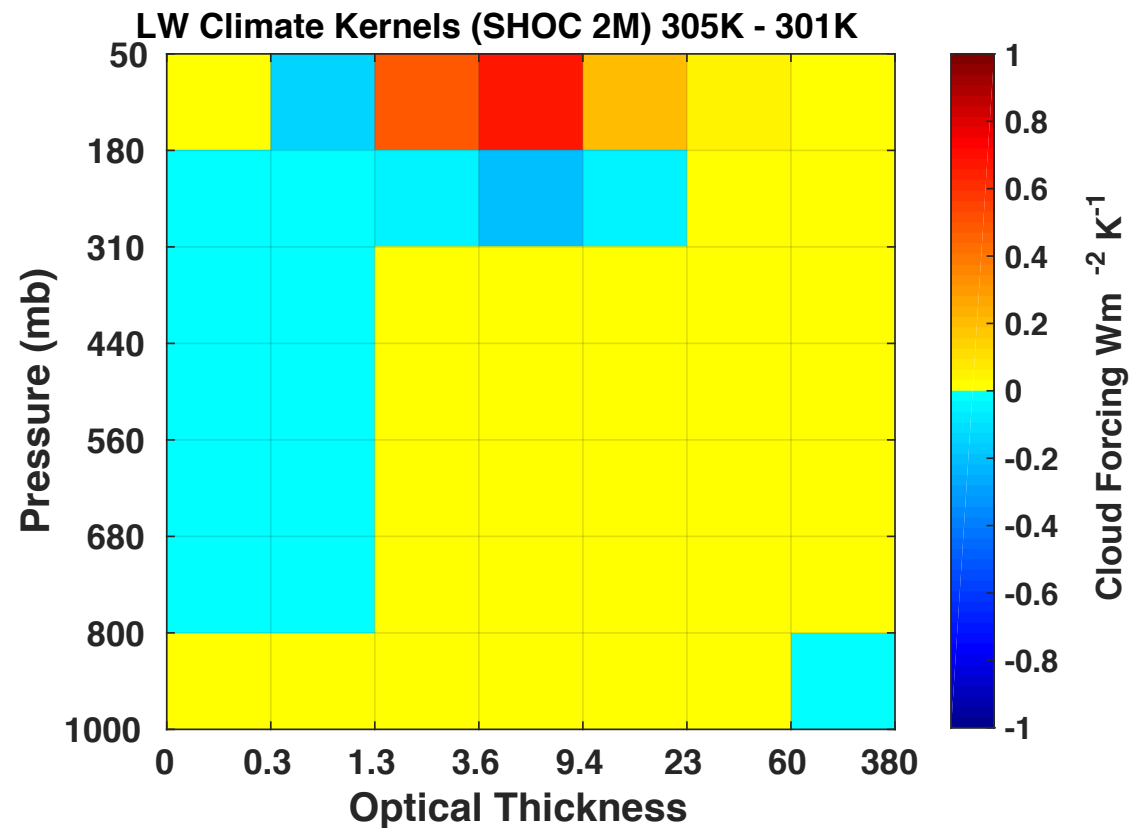
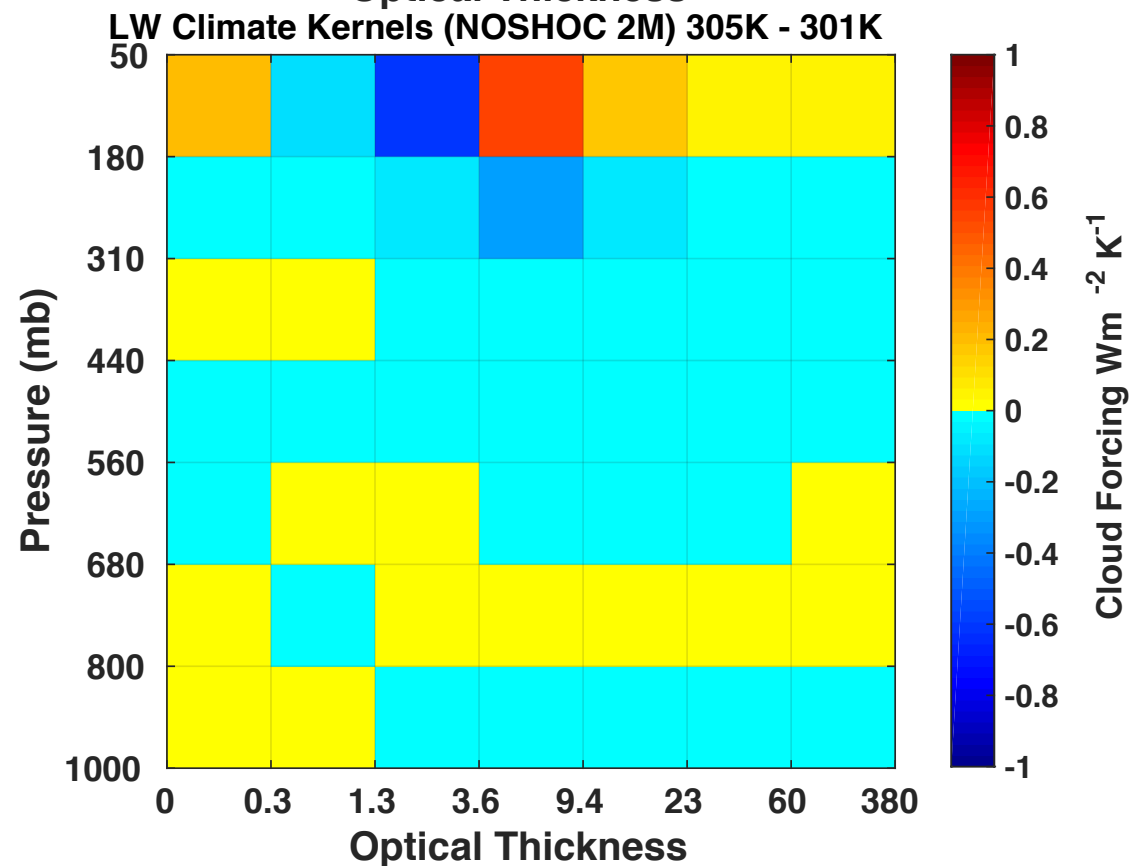
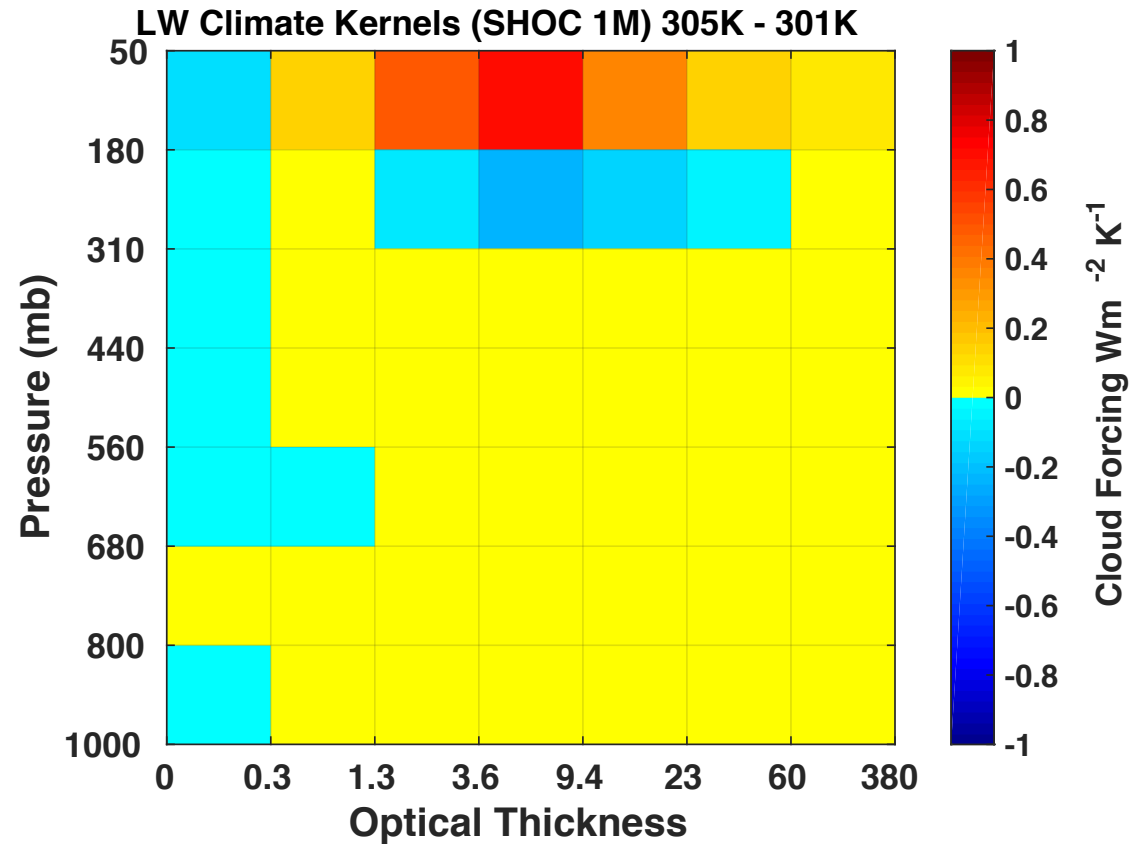
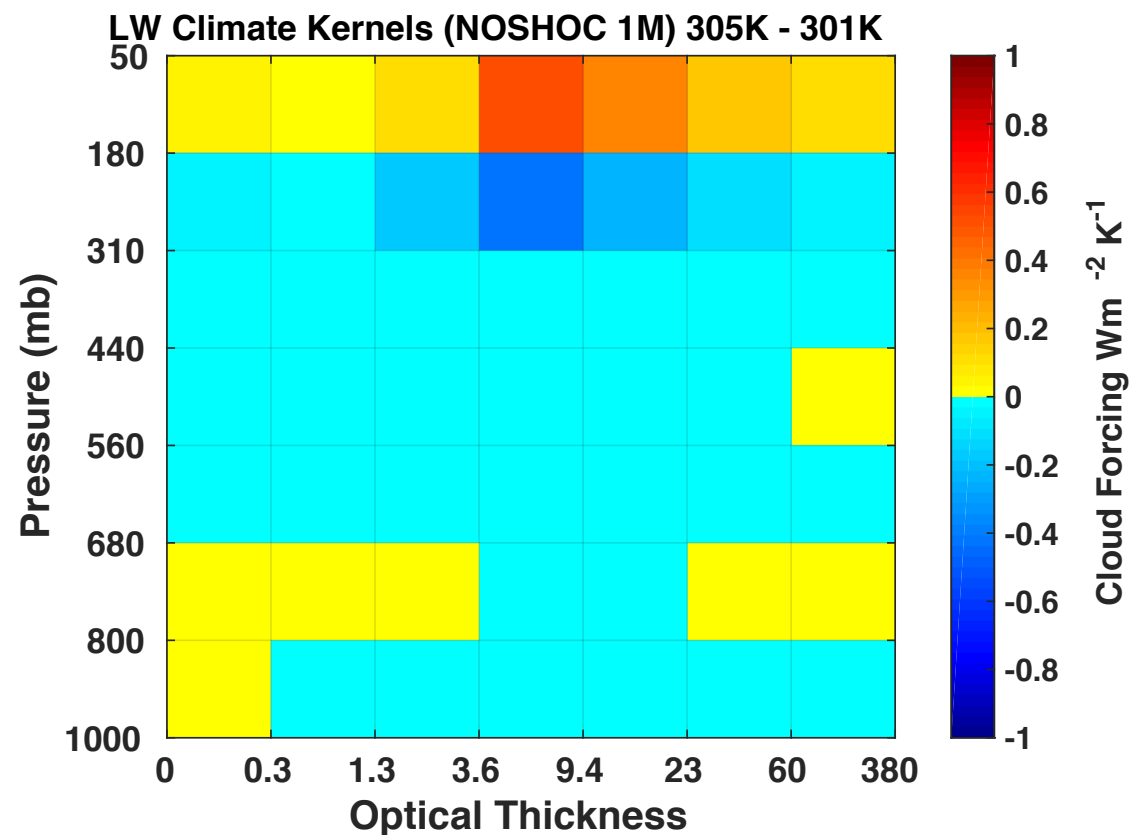
# Cloud Fraction Feedback



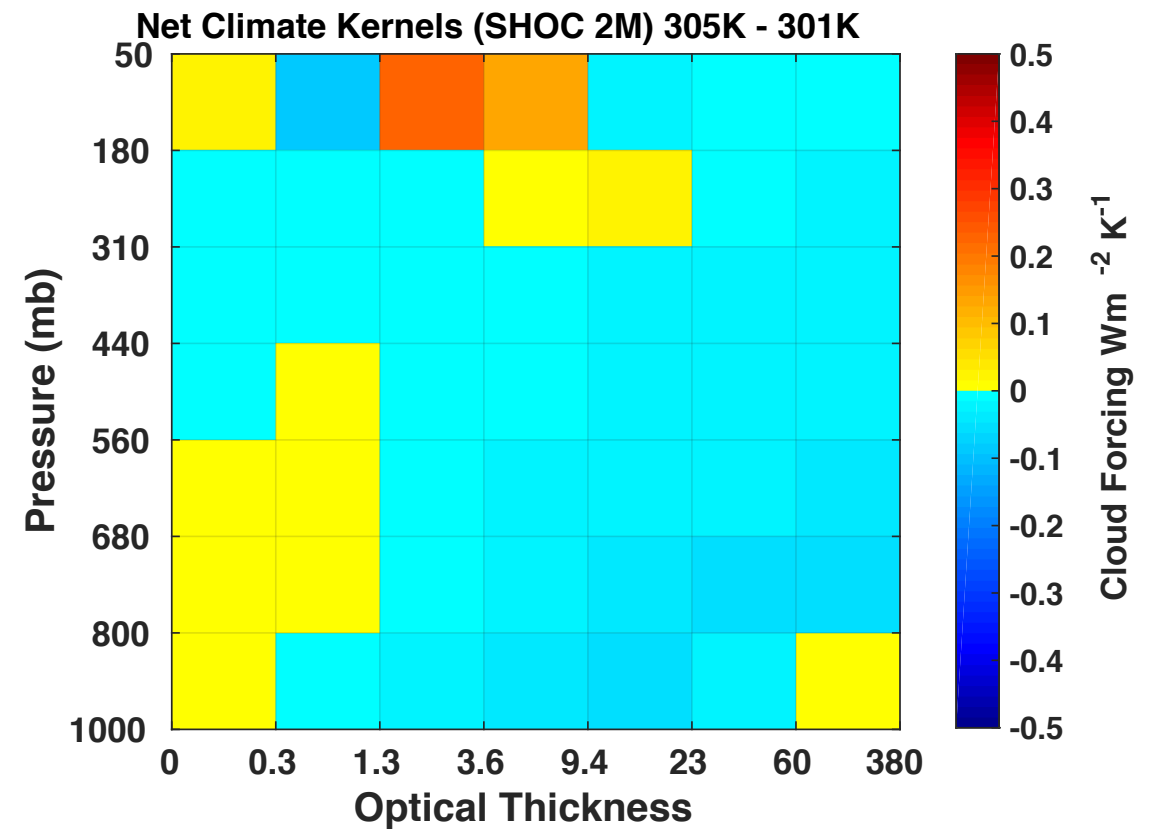
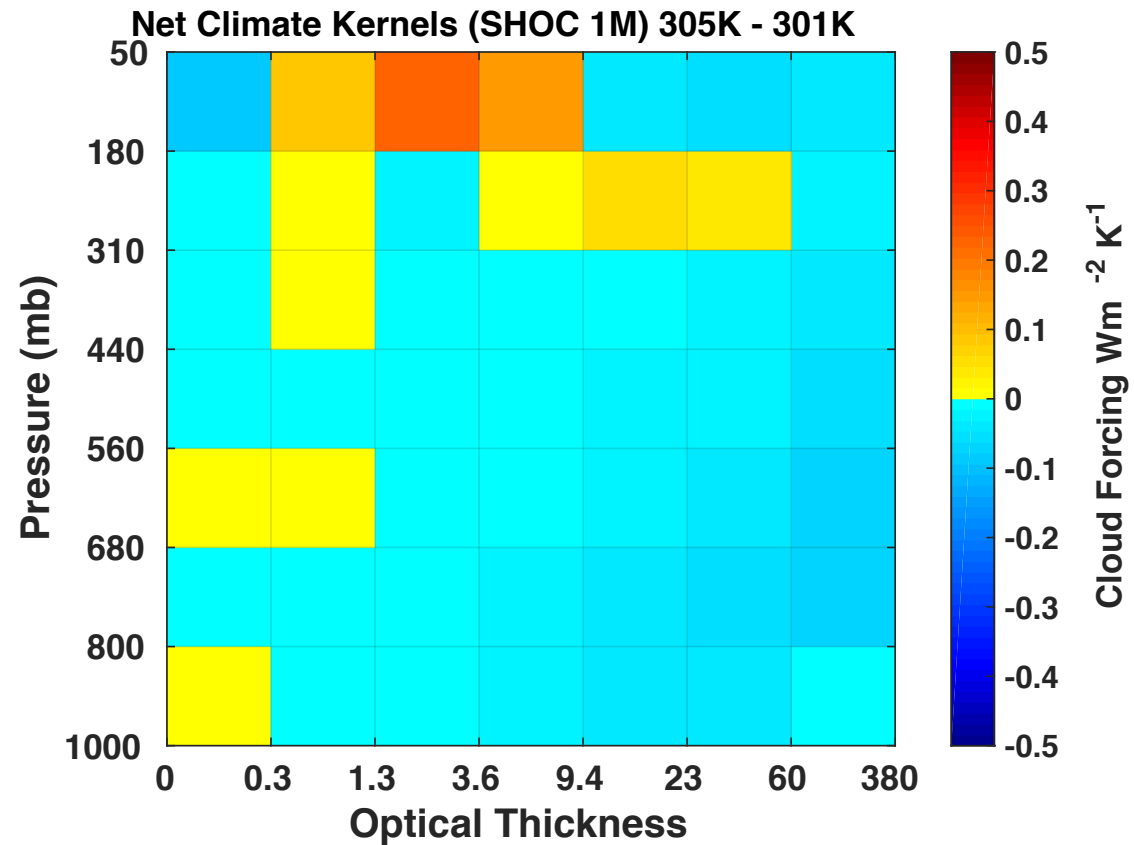
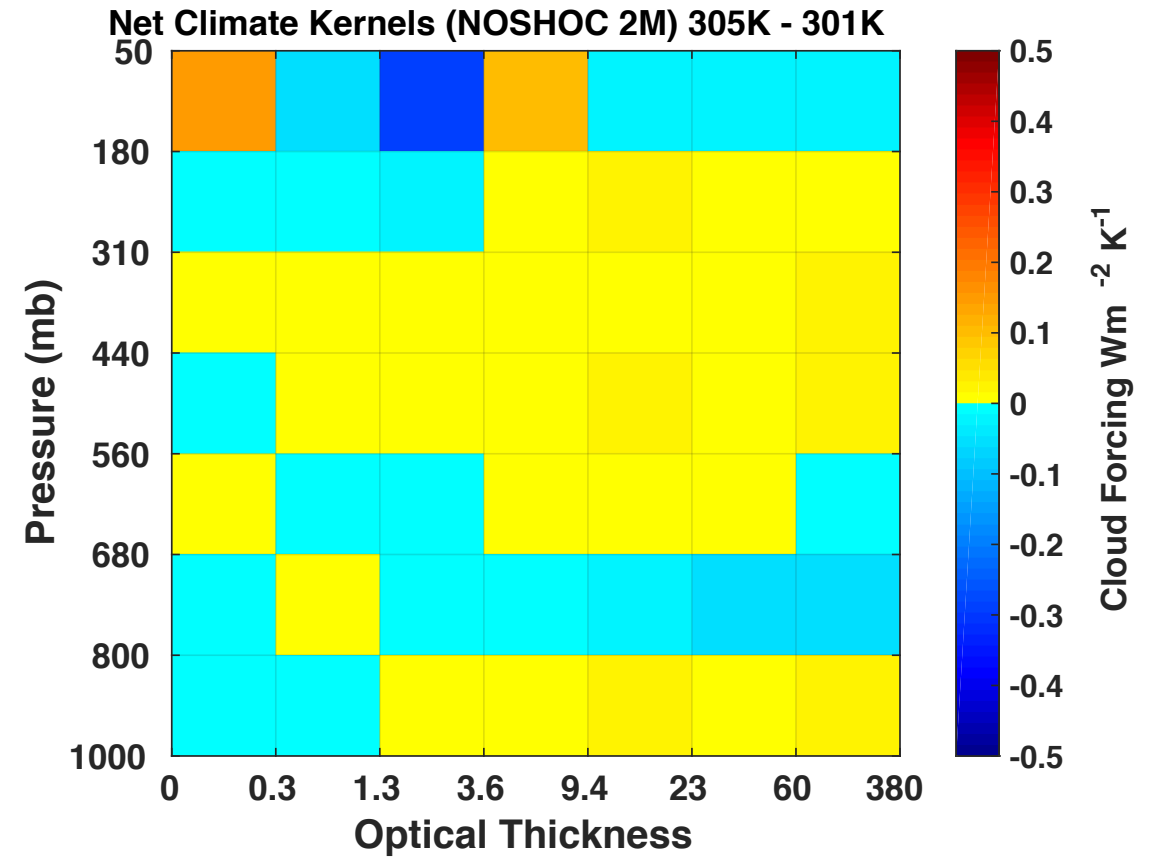
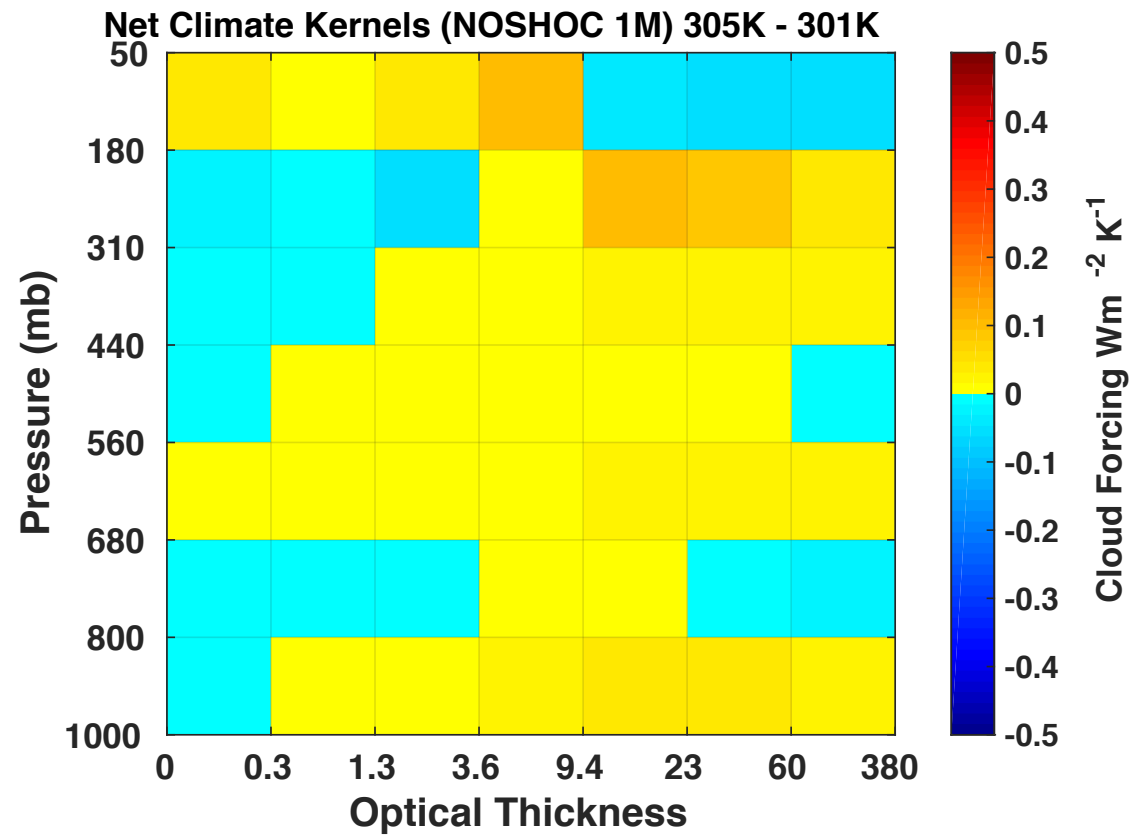
# SW Cloud Feedback



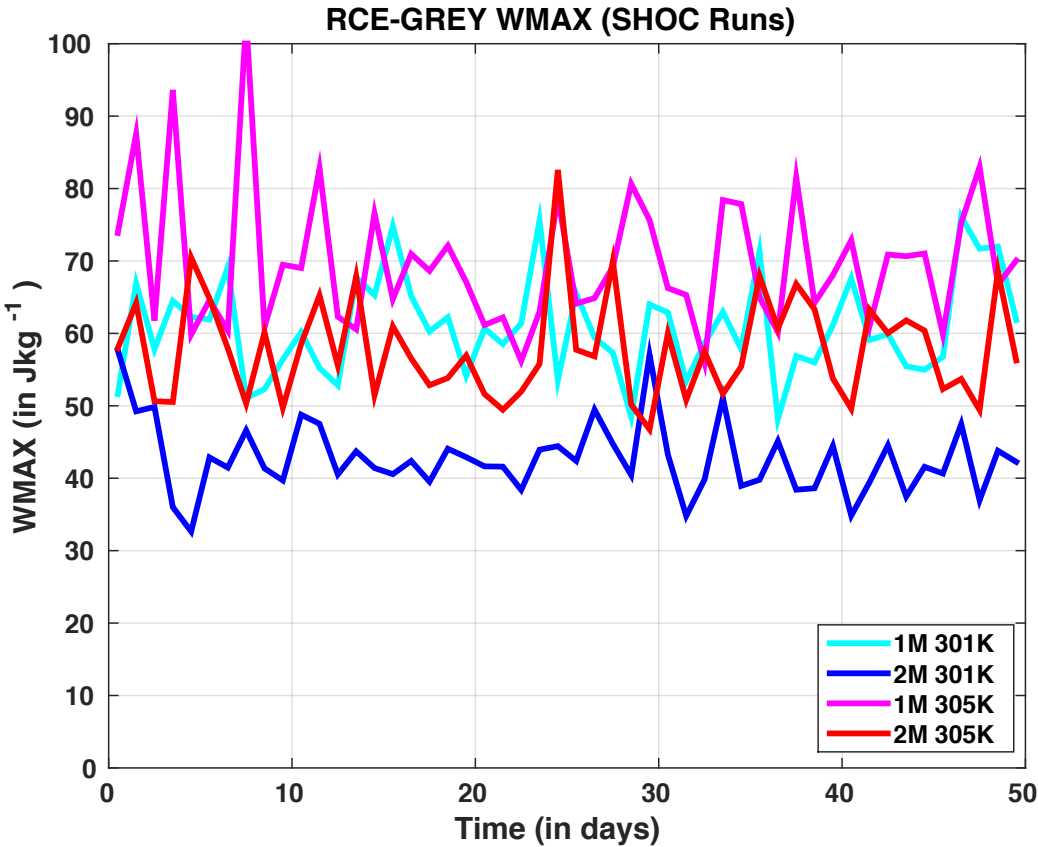
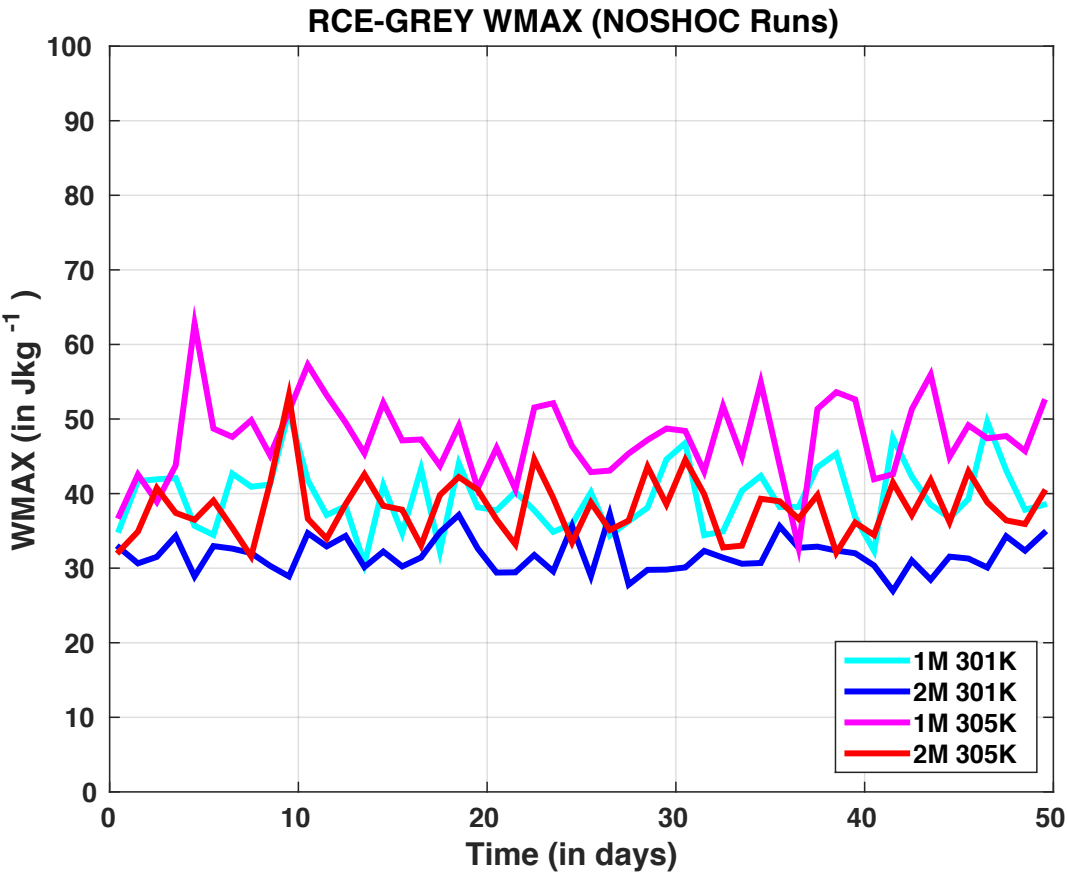
# LW Cloud Feedback



# Net Cloud Feedback

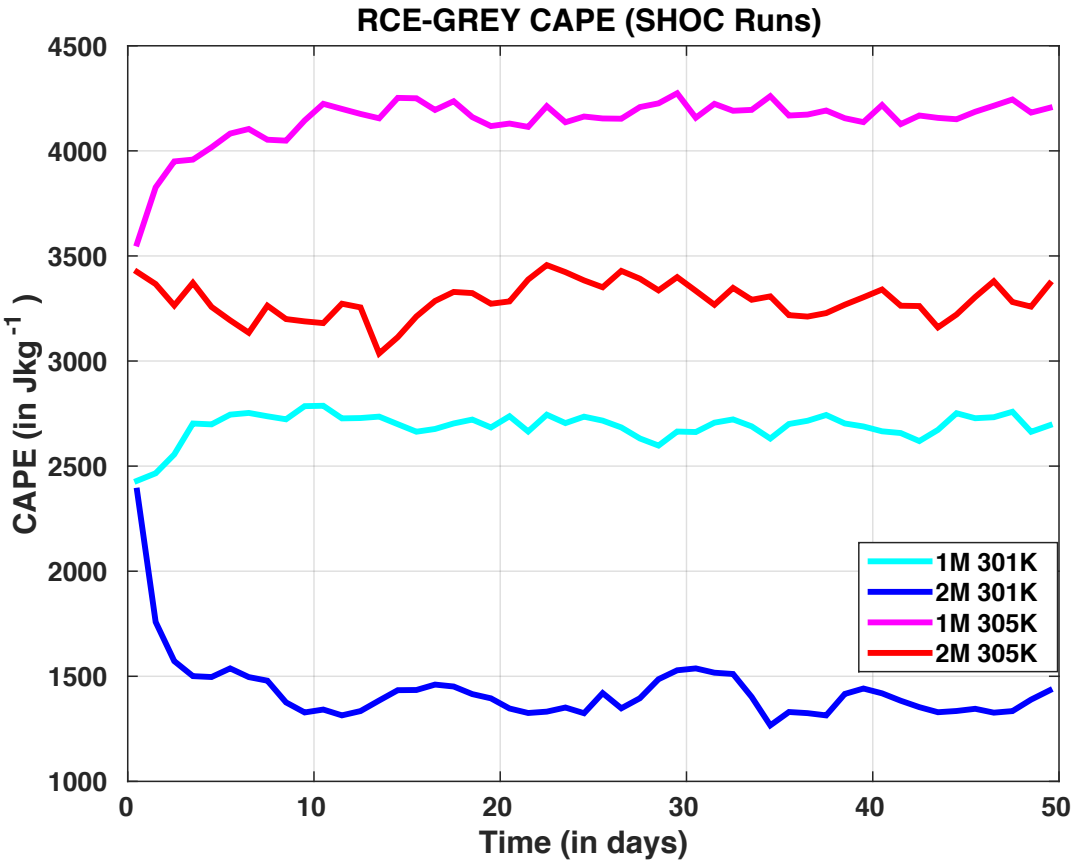
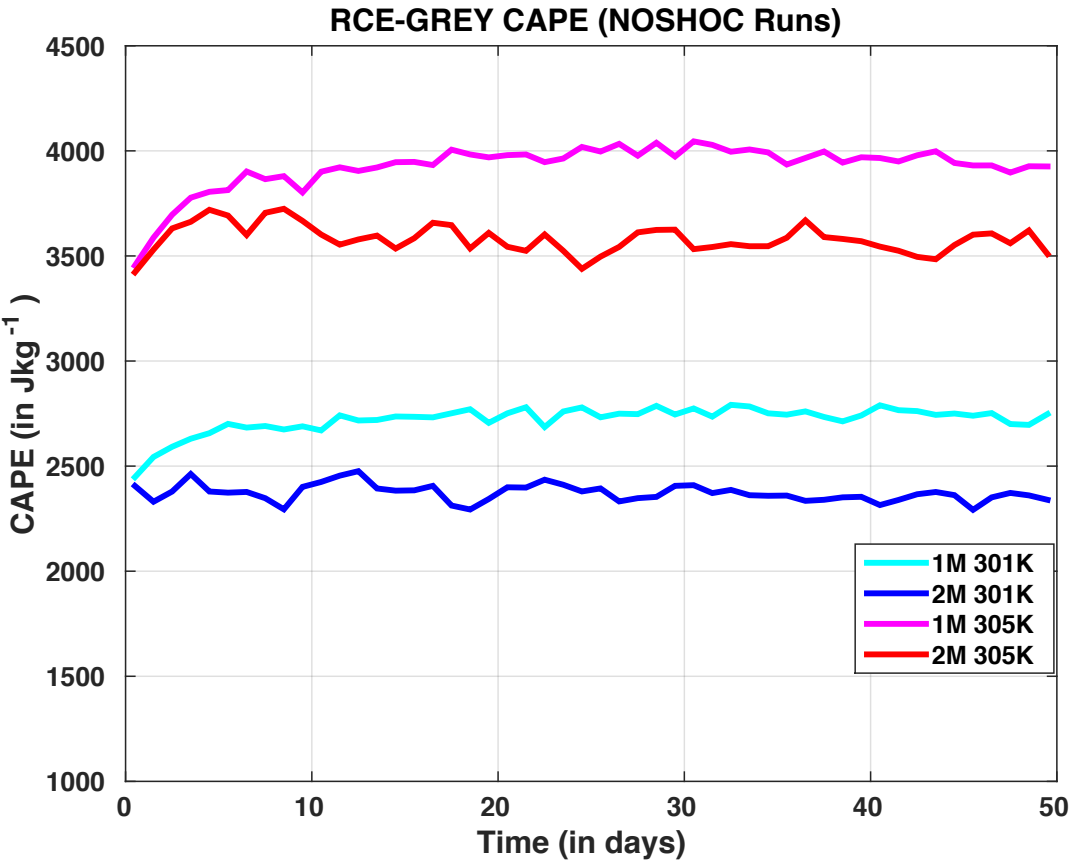


|                                |      |             |                          |                 |                        |                                  |                                |
|--------------------------------|------|-------------|--------------------------|-----------------|------------------------|----------------------------------|--------------------------------|
| Which is higher/more frequent? | WMAX | Strong W500 | Heavy Precip Event Freq. | CAPE            | Updraft core mass flux | Downdraft (Unsat) core mass flux | Downdraft (Sat) core mass flux |
| SHOC vs NOSHOC                 | SHOC | SHOC        | mixed results            | NOSHOC (for 2M) | NOSHOC                 | NOSHOC                           | NOSHOC                         |
| 305K vs 301K                   | 305K | 305K        | mixed results            | 305K            | mixed                  | 305K                             | 305K                           |
| IM vs 2M                       | IM   | IM          | 2M (slight)              | IM              | IM                     | N/A                              | IM                             |



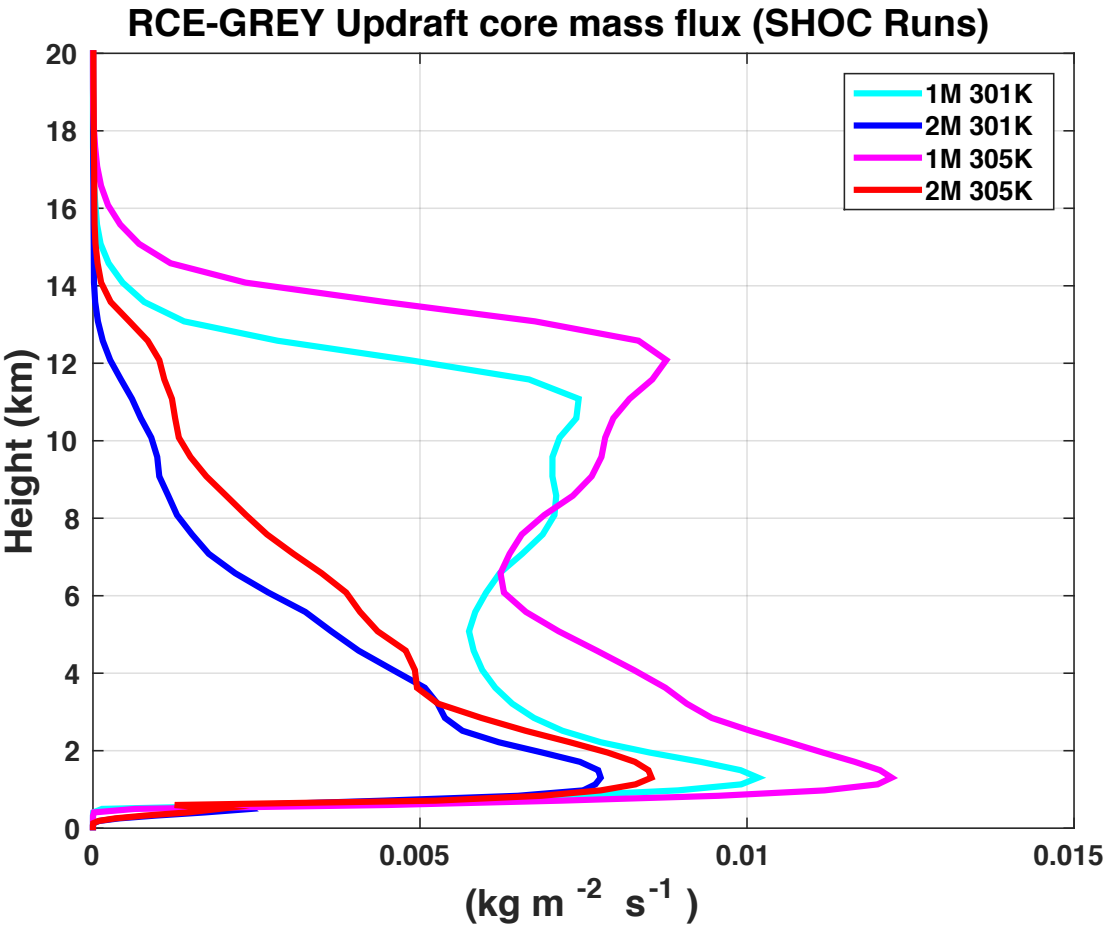
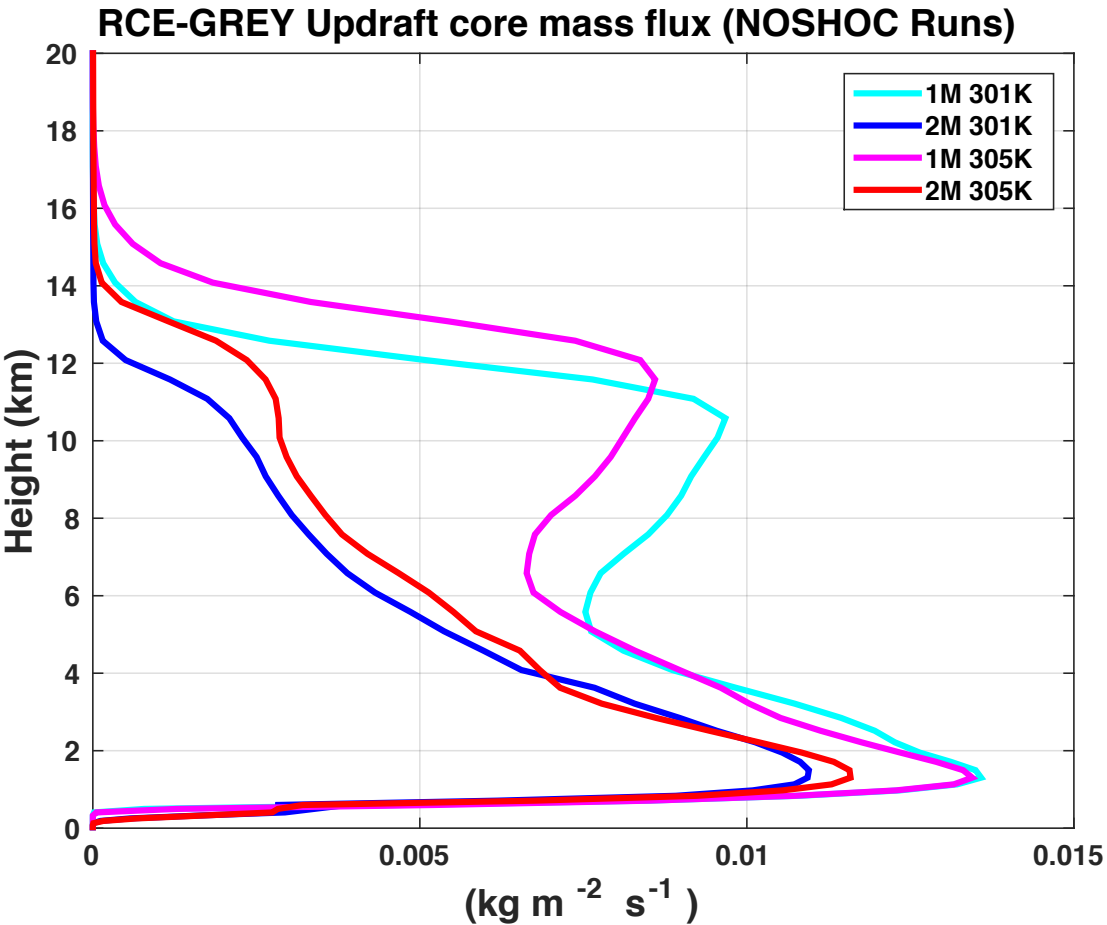


|                                |      |             |                          |                 |                        |                                  |                                |
|--------------------------------|------|-------------|--------------------------|-----------------|------------------------|----------------------------------|--------------------------------|
| Which is higher/more frequent? | WMAX | Strong W500 | Heavy Precip Event Freq. | CAPE            | Updraft core mass flux | Downdraft (Unsat) core mass flux | Downdraft (Sat) core mass flux |
| SHOC vs NOSHOC                 | SHOC | SHOC        | mixed results            | NOSHOC (for 2M) | NOSHOC                 | NOSHOC                           | NOSHOC                         |
| 305K vs 301K                   | 305K | 305K        | mixed results            | 305K            | mixed                  | 305K                             | 305K                           |
| IM vs 2M                       | IM   | IM          | 2M (slight)              | IM              | IM                     | N/A                              | IM                             |



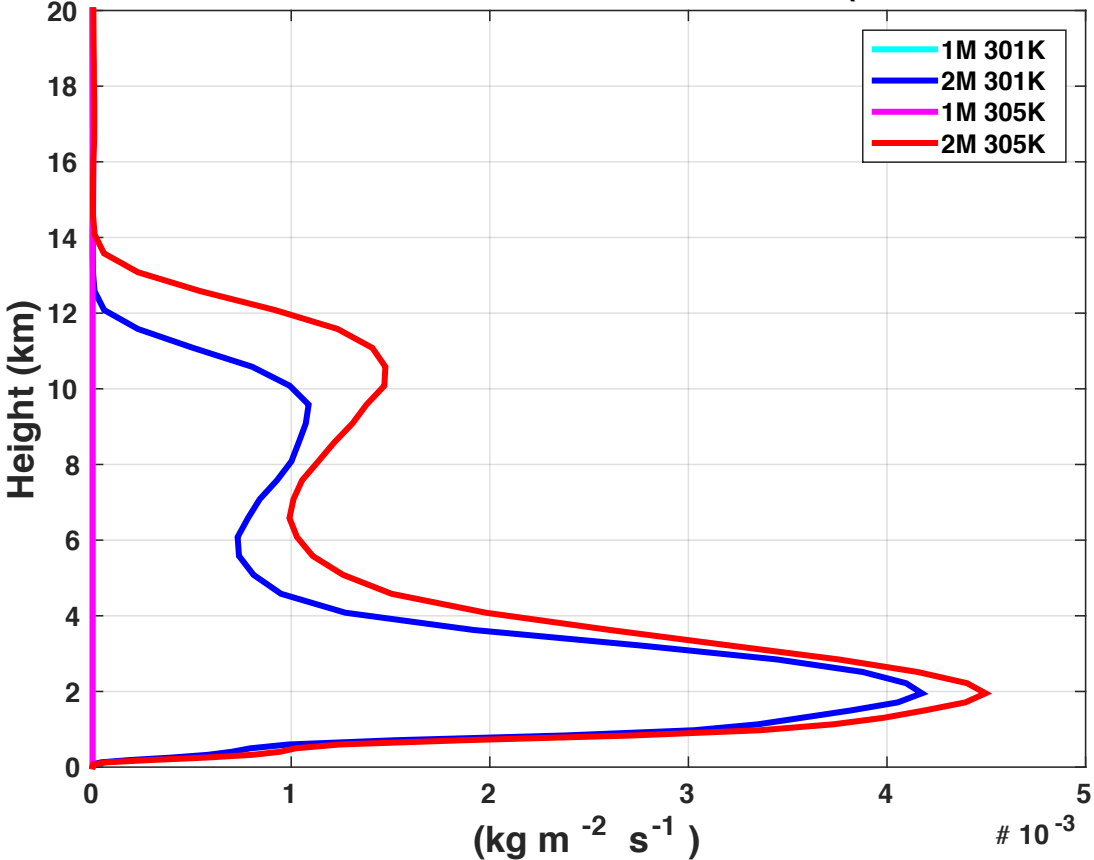


|                                |      |             |                          |                 |                        |                                  |                                |
|--------------------------------|------|-------------|--------------------------|-----------------|------------------------|----------------------------------|--------------------------------|
| Which is higher/more frequent? | WMAX | Strong W500 | Heavy Precip Event Freq. | CAPE            | Updraft core mass flux | Downdraft (Unsat) core mass flux | Downdraft (Sat) core mass flux |
| SHOC vs NOSHOC                 | SHOC | SHOC        | mixed results            | NOSHOC (for 2M) | NOSHOC                 | NOSHOC                           | NOSHOC                         |
| 305K vs 301K                   | 305K | 305K        | mixed results            | 305K            | mixed                  | 305K                             | 305K                           |
| IM vs 2M                       | IM   | IM          | 2M (slight)              | IM              | IM                     | N/A                              | IM                             |

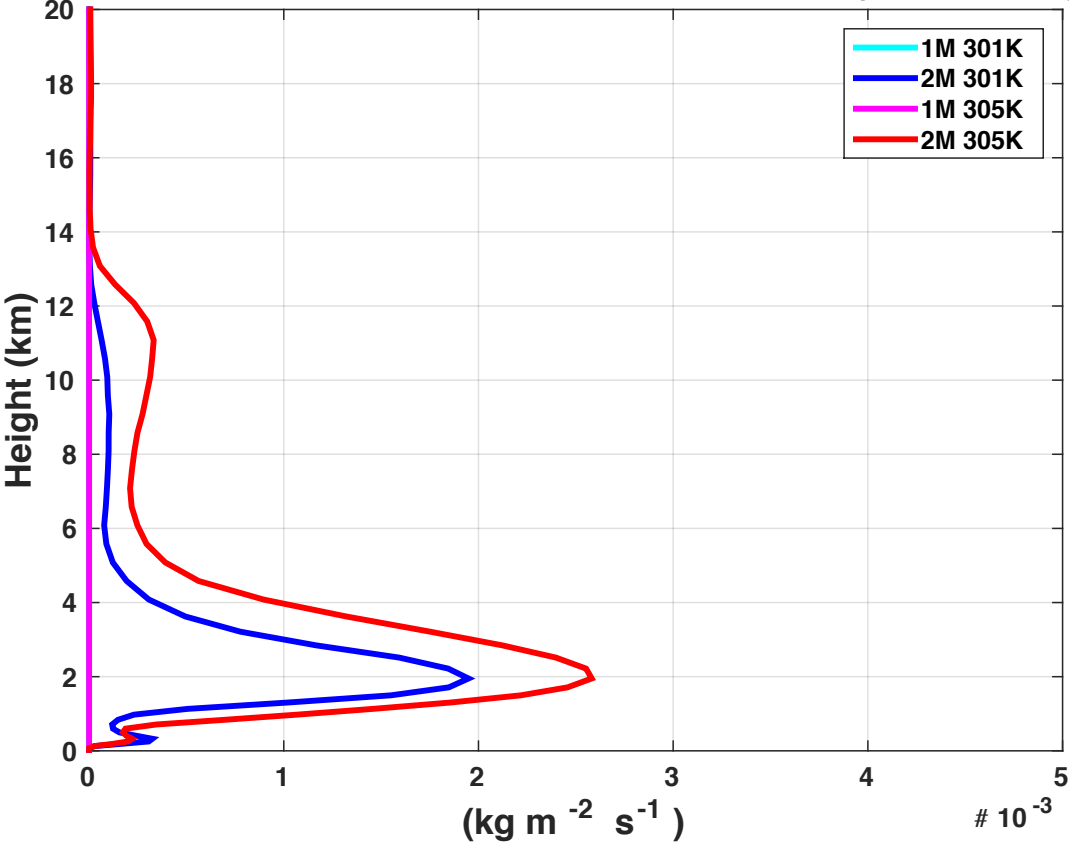


|                                |      |             |                          |                 |                        |                                  |                                |
|--------------------------------|------|-------------|--------------------------|-----------------|------------------------|----------------------------------|--------------------------------|
| Which is higher/more frequent? | WMAX | Strong W500 | Heavy Precip Event Freq. | CAPE            | Updraft core mass flux | Downdraft (Unsat) core mass flux | Downdraft (Sat) core mass flux |
| SHOC vs NOSHOC                 | SHOC | SHOC        | mixed results            | NOSHOC (for 2M) | NOSHOC                 | NOSHOC                           | NOSHOC                         |
| 305K vs 301K                   | 305K | 305K        | mixed results            | 305K            | mixed                  | 305K                             | 305K                           |
| IM vs 2M                       | IM   | IM          | 2M (slight)              | IM              | IM                     | N/A                              | IM                             |

RCE-GREY Total Downdraft unsat. core mass flux (NOSHOC Runs)



RCE-GREY Total Downdraft unsat. core mass flux (SHOC Runs)



|                                |      |             |                          |                 |                        |                                  |                                |
|--------------------------------|------|-------------|--------------------------|-----------------|------------------------|----------------------------------|--------------------------------|
| Which is higher/more frequent? | WMAX | Strong W500 | Heavy Precip Event Freq. | CAPE            | Updraft core mass flux | Downdraft (Unsat) core mass flux | Downdraft (Sat) core mass flux |
| SHOC vs NOSHOC                 | SHOC | SHOC        | mixed results            | NOSHOC (for 2M) | NOSHOC                 | NOSHOC                           | NOSHOC                         |
| 305K vs 301K                   | 305K | 305K        | mixed results            | 305K            | mixed                  | 305K                             | 305K                           |
| IM vs 2M                       | IM   | IM          | 2M (slight)              | IM              | IM                     | N/A                              | IM                             |

