Temperature – Hskpg vs MMS

Archive 10s Merge – 61005 pts

y = a + bx
a = 4.799 ± 0.009
b = 0.98 ± 3.2e-05
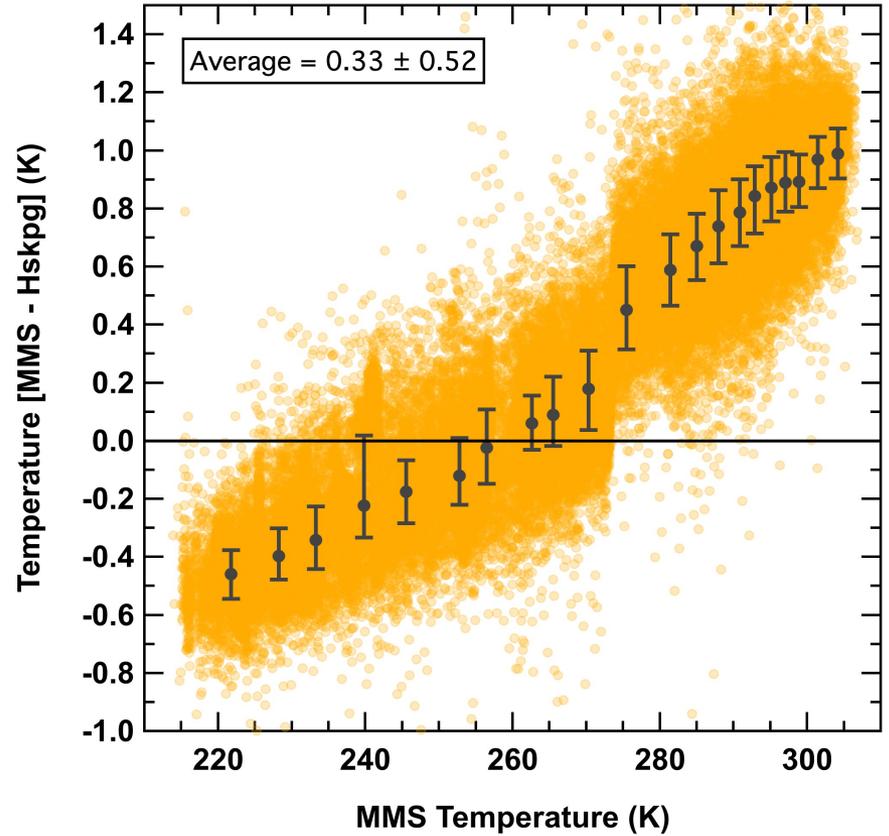R^2 = 1.00
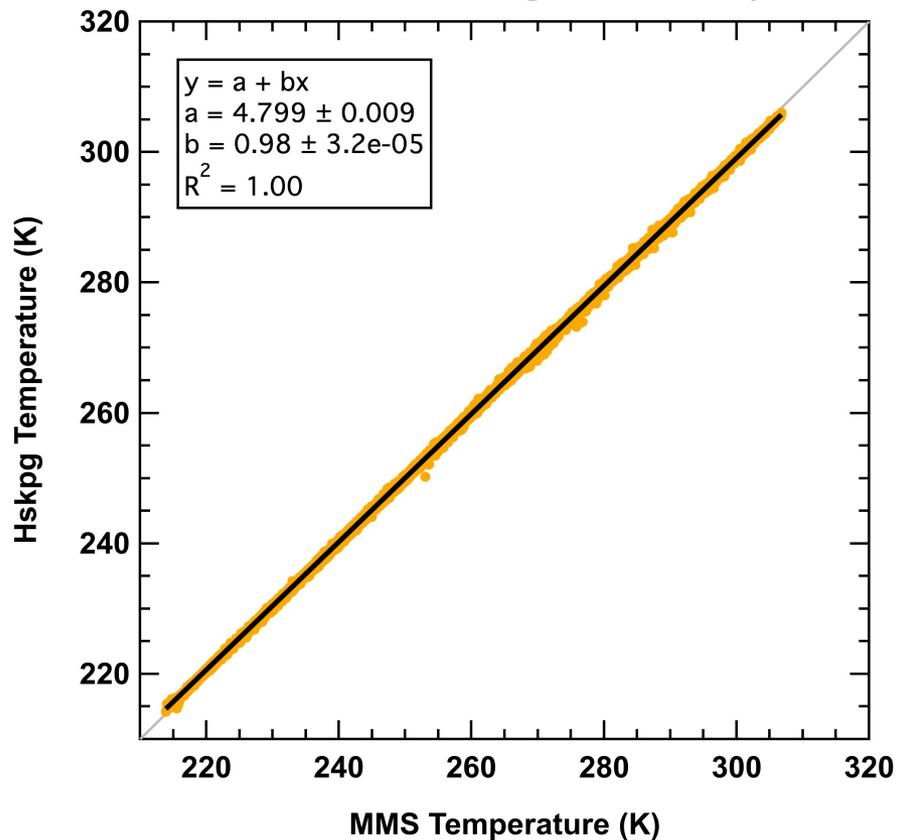
10s Merge with 70% Data – 60977 pts

y = a + bx
a = 4.801 ± 0.009
b = 0.98 ± 3.2e-05
R^2 = 1.00
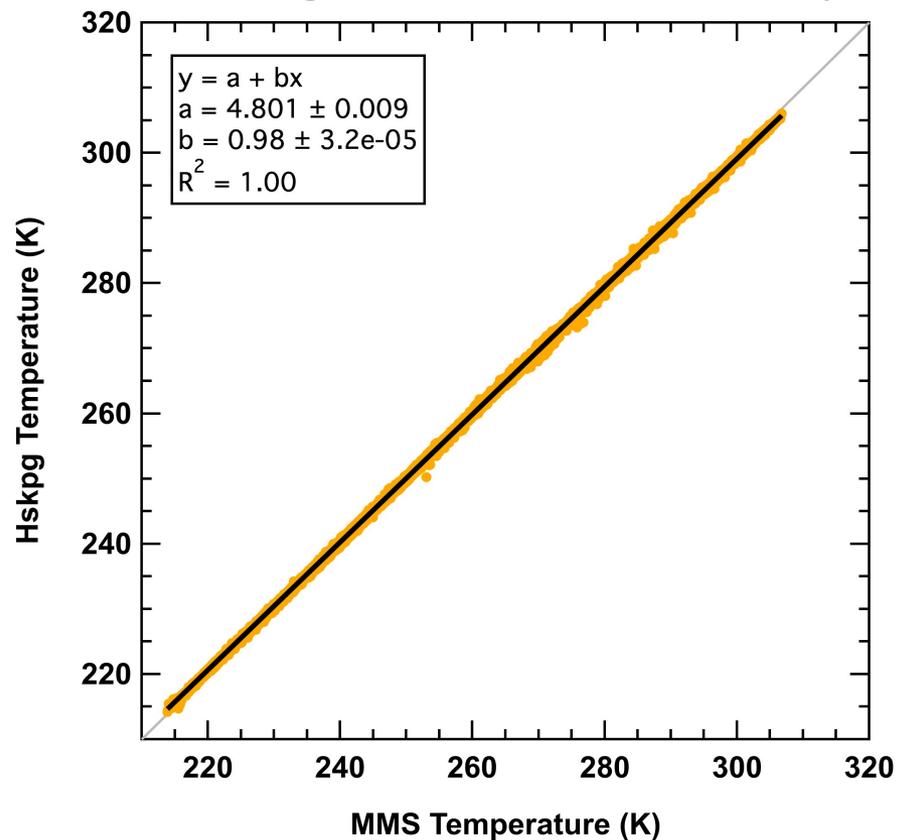
Difference dependence on temperature value

Archive 10s Merge — 10s Merge with 70% Data
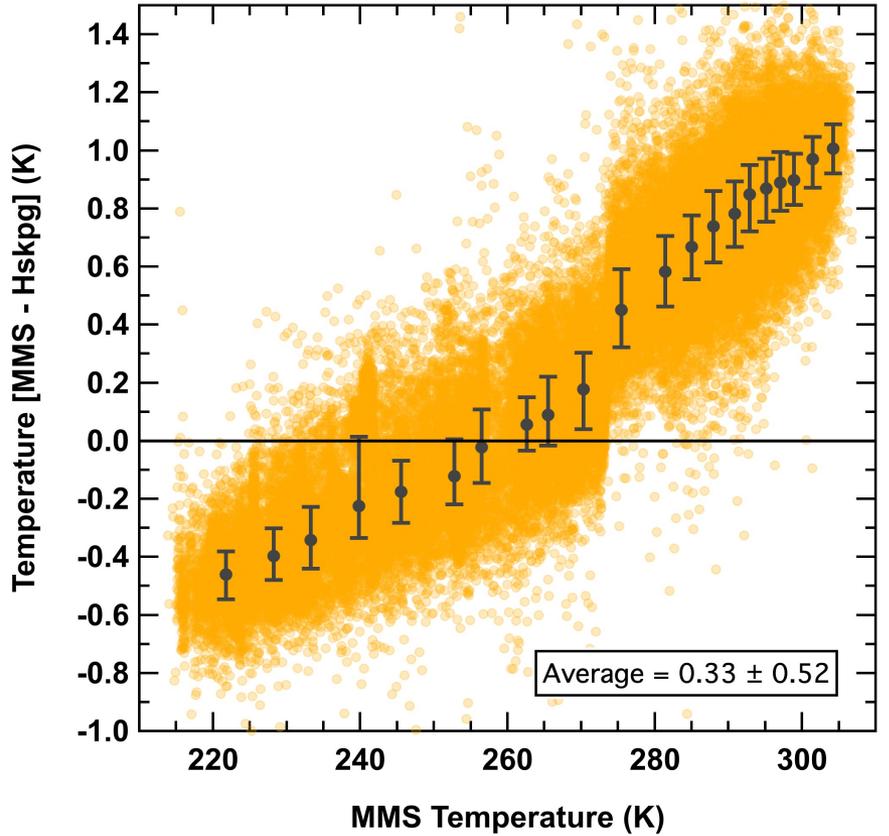
Data:

- 10s merge: SEAC4RS-mrg10-dc8_merge_20130806_R5_thru20130923.ict
- Hskping: seac4rs-dc8hskping_dc8_########_r0.ict (######## = daily files from 20130806 – 20130923)
- MMS: SEAC4RS-MMS-1HZ_DC8_########_R0.ict (######## = daily files from 20130806 – 20130923)

Correlation:

- 10s merge with 70% data are calculated using archive PI data files. Each merge interval must contain at least 70% of data for analysis.
- Fit lines are derived from orthogonal distance regressions.
- R^2 values are calculated independently, not from orthogonal distance regression.

Difference dependence on temperature value:

- Absolute difference calculated by MMS – Hskpg.
- Median, 25th, and 75th percentiles based on 3000 data point bins after data is sorted by MMS values.