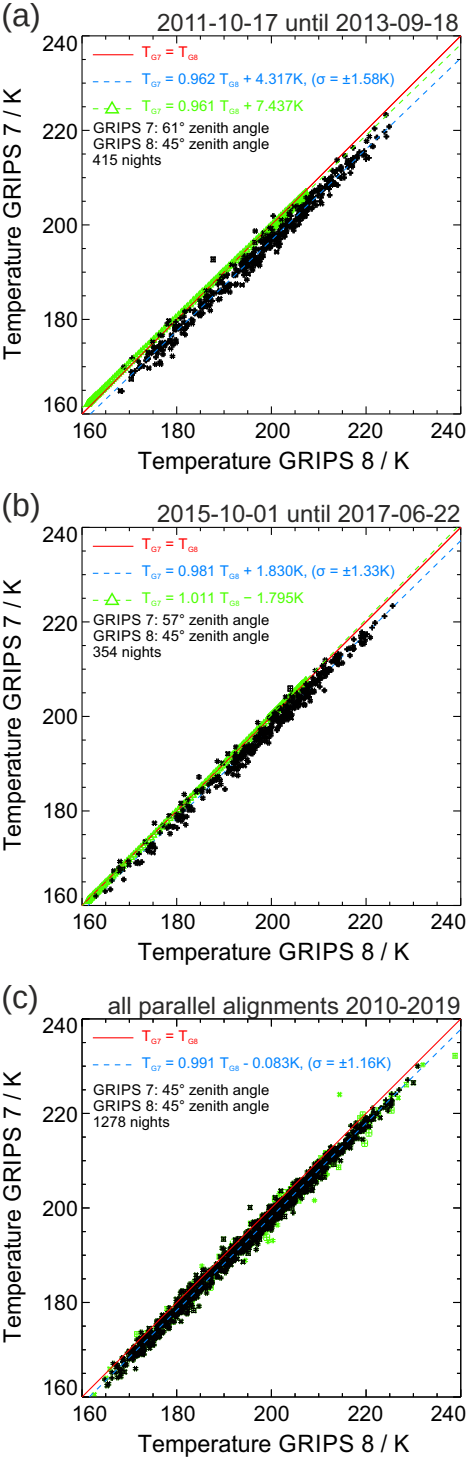
(a)
2011-10-17 until 2013-09-18
T_G7 = T_G8
T_G7 = 0.962 T_G8 + 4.317K, (σ = ±1.58K)
T_G7 = 0.961 T_G8 + 7.437K
GRIPS 7: 61° zenith angle
GRIPS 8: 45° zenith angle
415 nights
Temperature GRIPS 7 / K
Temperature GRIPS 8 / K
160
180
200
220
240
(b)
2015-10-01 until 2017-06-22
T_G7 = T_G8
T_G7 = 0.981 T_G8 + 1.830K, (σ = ±1.33K)
T_G7 = 1.011 T_G8 − 1.795K
GRIPS 7: 57° zenith angle
GRIPS 8: 45° zenith angle
354 nights
Temperature GRIPS 7 / K
Temperature GRIPS 8 / K
(c)
all parallel alignments 2010-2019
T_G7 = T_G8
T_G7 = 0.991 T_G8 - 0.083K, (σ = ±1.16K)
GRIPS 7: 45° zenith angle
GRIPS 8: 45° zenith angle
1278 nights
Temperature GRIPS 7 / K
Temperature GRIPS 8 / K