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# SSM/I - TMI Inter-Calibration

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# SSM/I data

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- July 2005 – June 2006
- V01 of SSM/I FCDR from CSU
- F14 and F15 have been inter-calibrated to F13
  - Double differences include this inter-calibration

# Double Difference (DD) SSM/I F13 - TMI

Channel	Cold end DD (K)	Reported temp (K)	Warm end DD (K)	Reported Temp (K)
19V	1.3	181.6	$0.6 \pm 0.4$	285.4
19H	2.2	105.9	$1.9 \pm 0.4$	283.5
22V	2.2	192.0	$3.9 \pm 0.4$	284.1
37V	1.2	204.6	$1.3 \pm 0.4$	281.6
37H	2.0	130.7	$2.4 \pm 0.4$	280.1
85V	0.9	241.0	$0.1 \pm 0.7$	284.5
85H	1.0	182.4	$1.2 \pm 0.7$	282.2

# Double Difference (DD) SSM/I F14 - TMI

Channel	Cold end DD (K)	Reported temp (K)	Warm end DD (K)	Reported Temp (K)
19V	1.3	181.6	$0.6 \pm 0.4$	285.4
19H	2.2	105.9	$2.5 \pm 0.4$	283.5
22V	2.1	192.0	$3.8 \pm 0.4$	284.1
37V	1.2	204.6	$1.4 \pm 0.4$	281.6
37H	1.9	130.7	$2.9 \pm 0.4$	280.1
85V	0.8	241.0	$-0.8 \pm 0.7$	284.5
85H	1.0	182.4	$0.6 \pm 0.7$	282.2

# Double Difference (DD) SSM/I F15 - TMI

Channel	Cold end DD (K)	Reported temp (K)	Warm end DD (K)	Reported Temp (K)
19V	1.5	181.6	$1.7 \pm 0.4$	285.9
19H	2.5	105.9	$2.9 \pm 0.4$	284.0
22V	2.3	192.0	$5.0 \pm 0.4$	284.5
37V	1.5	204.6	$1.7 \pm 0.4$	281.9
37H	2.2	130.7	$3.2 \pm 0.4$	280.5
85V	1.1	241.0	$0.1 \pm 0.7$	284.6
85H	1.3	182.4	$1.2 \pm 0.7$	282.4