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# Radiometrics MWR configuration file - s/n 15
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# Comments:
# Calibration updated: 13-Sep-96 at SGP
# Calibration updated: 13-Feb-98 at AIS
# Last calibration:    12-Nov-98 at ARCS2

MWR TYPE:
MWR15      :type of MWR (SIMULATE | MWRxx)
1         :COMM port
9600       :baud rate

DATA SYSTEM:
\SEND_DIR\

TIMER:
60          :shutdown after this many min, -1 means don't shut
down
0           :test for files? 0=no, >0 =how often to check
(minutes)

TIP1 CONFIGURATION:
BB          :Reference for noise diode calib (BB | SKY)
1000        :Blackbody sampling time (milliseconds)
1000        :Blackbody+Noise Diode sampling time
1000        :Sky sampling time
0000        :Sky+Noise Diode sampling time
0000        :Blackbody each tip angle
0.992       :regression coefficient for a good tip
0.0         :Default Azimuth Angle
8           :Number of Elevation Angles
23.60
30.0        :Tip Elevation Angle #1
45.00       :        "           #2
90.00       :        "           #3
135.00      :        "           #5
150.00      :        "           #4
156.40
90.00       :        "           #6

TIP2 CONFIGURATION:
BB          :Reference for noise diode calib (BB | SKY)
1000        :Blackbody sampling time (milliseconds)
1000        :Blackbody+Noise Diode sampling time
1000            :Sky sampling time
0000             :Sky+Noise Diode sampling time
0               :Blackbody each tip angle
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0.992           :regression coefficient for a good tip
0.0             :Default Azimuth Angle
10              :Number of Elevation Angles
19.50           :Tip Elevation Angle #1
23.60           :        "           #2
30.00           :        "           #3
41.80           :        "           #4
90.00           :        "           #5
138.20          :        "           #6
150.00          :        "           #7
156.40          :        "           #8
160.50          :        "           #9
90.00           :        "           #10

LOS1 CONFIGURATION:
BB              :Reference for gain calculation (BB | SKY)
1000            :Blackbody sampling time (millisec)
1000            :Blackbody+Noise Diode sampling time
1000            :Sky sampling time
0000            :Sky+Noise Diode sampling time

LOS2 CONFIGURATION:
BB              :Reference for gain calculation (BB | SKY)
500             :Blackbody sampling time (milli sec)
500             :Blackbody+Noise Diode sampling time
10000           :Sky sampling time
0               :Sky+Noise Diode sampling time

RETRIEVAL COEFFICIENTS: (for January thru December)
       vap0          vap1        vap2       rmsvap      Tmr23
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
     5.90301E-02    23.2935   -13.6836    2.68047E-02    287.262
        liq0         liq1         liq2       rmsliq      Tmr31
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
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    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
    -1.50244E-02  -0.274174   0.794321    2.40308E-03    286.523
2.75        :tc
6.5         :cvd
0.0         :ccnv0 (cvd = ccnv0 + ccnv1 * tau23 + ccnv2 * tau23)
0.0         :ccnv1
0.0         :ccnv2
0.00        :Meas-to-Calc Tb: 23GHz intercept
1.00        :Meas-to-Calc Tb: 23GHz slope
0.00        :Meas-to-Calc Tb: 31GHz intercept
1.00        :Meas-to-Calc Tb: 31GHz slope

MWR DATA:
236.62      :default noise diode injection temperature 23 GHz
244.10      :default noise diode injection temperature 31 GHz
0.00164     :23 GHz Tb window contribution coef (deg K/deg K)
0.00217     :31 GHz "
5.5         :23 GHz Beam width (degrees)
4.6         :31 GHz Beam width (degrees)
0250      :ms to wait after Gunns are turned on
2.0       :moisture sensor threshold (volts)

TEMPERATURE COEFFICIENTS:
0.019       :tc23
0.000       :tc31
290.0       :tnom

IR THERMOMETER:
IRT000      :type of IRT (SIMULATE | IRTxxx; xxx=000 -> Not
Installed)
2         :which serial port (COM1 or COM2)
9600      :baud rate (1200 | 9600)
1000      :response time (30 | 100 | 300 | 1000 | 3000 | 10000
msec)
10.00          :calibration slope (K/V)
223.15    :calibration offset (K)
0.5         :beam width (degrees FWHM)
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