Vaisala Configuration File

// Configuration Editor file for: // Two Winds, 1290 MHz, no RASS

[GLOBAL] { }

[DWELLMODES] {

```
MODENAME = WA
{
  iAddtoDir         = 0;
  iAtten            = 0;
  iFirstGateNs      = 4000;
  iFlip             = 1;
  iGateSpacingNs    = 500;
  iIppNs            = 56000;
  iNCI              = 50;
  iNCode            = 1;
  iNhts             = 30;
  iNpts             = 256;
  iNRx              = 1;
  iNRxMode          = 0;
  iNSpec            = 16;
  iPwNs             = 708;
  iRassDopPtBegin   = 1;
  iRassDopPtNum     = 0;
  iRassOn           = 0;
  iTxOn             = 0;
  iVertCorrectHw    = 1;
  iWindDopPtBegin   = 1;
  iWindDopPtNum     = 256;
  sOutputTS         = "TsWA";
}
```

MODENAME = WB

```
{
  iAddtoDir         = 0;
  iAtten            = 0;
  iFirstGateNs      = 6000;
  iFlip             = 0;
  iGateSpacingNs    = 2833;
  iIppNs            = 140000;
  iNCI              = 32;
  iNCode            = 0;
  iNhts             = 21;
  iNpts             = 256;
  iNRx              = 1;
  iNRxMode          = 0;
  iNSpec            = 16;
  iPwNs             = 1417;
  iRassDopPtBegin   = 1;
  iRassDopPtNum     = 0;
  iRassOn           = 0;
```

```
   iTxOn             = 1;
   iVertCorrectHw    = 1;
   iWindDopPtBegin   = 1;
   iWindDopPtNum     = 256;
   sOutputTS         = "TsWB";
 }

}

[DWELLLIST] {

      WAB_4 = {'WA/0','WA/1','WA/2','WA/3','WA/4','WA/5'};

}

[DWELLSEQUENCE] {

 REPEAT {
          Acquire(WAB_4);
        } FOREVER;

}

[PROCESSES] {

 [TsWA,TsWB] = DwellEngine(NULL)
 {
   sOLEID = 'LAPXM.DwellEngine.1';
 };

 [SpecWA,SpecWB] = Spectra(NULL,{TsWA,TsWB})
 {
   iICRA       = {1,1};
   iDCFilter   = {1,1};
   iOverlap    = {1,1};
   sOLEID      = 'Lapxm.Spectra.1';
 };

 [SpecWA_IR,SpecWB_IR] = InterferenceReduction(NULL,{SpecWA,SpecWB})
 {
   iUseRiddleGCRemoval   = {1,1};
   fClutterHeightKm      = {1.1, 4.3};
   sOLEID = 'Lapxm.Spectra_InterferenceReduction.1';
 };

[MomWA,MomWB] = Moments(NULL, {SpecWA_IR,SpecWB_IR})
 {
   sOLEID = 'Lapxm.Moments.1';
 };

 DwellDisplay(NULL, {TsWA,TsWB},{SpecWA,SpecWB},{MomWA,MomWB})
 {
   iContourFirstLevel    = 1;
   iContourInterval      = 5;
   iCreateContourPlot    = 1;
```

```
  iCreateMomentsTable   = 1;
  iCreateSnrPlot        = 1;
  iCreateStackedPlot    = 1;
  iCreateTimeSeriesPlot = 0;
  iCreateContourJpeg    = 1;
  iCreateSnrJpeg        = 1;
  iCreateStackedJpeg    = 1;
  iCreateTimeSeriesJpeg = 0;
  iLogStackPlot         = 0;
  iNormalizeStackPlot   = 1;
  iOmitDcPoint          = 1;
  iRassUnits            = 0;
  iShowRassData         = 1;
  iTimeSeriesA          = 1;
  iTimeSeriesB          = 0;
  iTimeSeriesNormalized = 1;
  iWindUnits            = 0;
  sOLEID                = 'LAPXM.DwellDisplay.1';
};

[CnsWA] = Consensus_WindTemp_WA(NULL,{MomWA},{TsWA})
{
  iUseRunningConsensus               = 0;
  iConsenseOnStop                    = 1;
  iConsenseOnMinute                  = {0,30};
  iCnsIntervalCycles                 = 5;
  iCnsLengthCycles                   = 10;
  fDeltaT                            = 0.0;
  fDeltaTc                           = 0.0;
  fDeltaUV                           = 3.0;
  fDeltaW                            = 3.0;
  fPctDataT                          = 0.0;
  fPctDataTc                         = 0.0;
  fPctDataUV                         = 60.0;
  fPctDataW                          = 60.0;
  iVerticalCorrect                   = 1;
  iUseObliqueBeamsForVertical        = 1;
  iUseVerticalObliqueRangeCorrection = 1;
  iCheckConsensusSpan                = 1;
  sMethod                            = "mean";
  sTimeStamp                         = "begin";
  sOLEID                             = 'Lapxm.Consensus_WindTemp.1';
};

[CnsWB] = Consensus_WindTemp_WB(NULL,{MomWB},{TsWB})
{
  iUseRunningConsensus               = 0;
  iConsenseOnStop                    = 1;
  iConsenseOnMinute                  = {0,30};
  iCnsIntervalCycles                 = 5;
  iCnsLengthCycles                   = 10;
  fDeltaT                            = 0.0;
  fDeltaTc                           = 0.0;
  fDeltaUV                           = 3.0;
  fDeltaW                            = 3.0;
  fPctDataT                          = 0.0;
  fPctDataTc                         = 0.0;
  fPctDataUV                         = 60.0;
```

```
  fPctDataW                          = 60.0;
  iVerticalCorrect                   = 1;
  iUseObliqueBeamsForVertical        = 1;
  iUseVerticalObliqueRangeCorrection = 1;
  iCheckConsensusSpan                = 1;
  sMethod                            = "mean";
  sTimeStamp                         = "begin";
  sOLEID                             = 'Lapxm.Consensus_WindTemp.1';
};



[CnsWA_QC, CnsWB_QC, CnsRASS_QC] = QC_WeberWuertz(NULL,{CnsWA, CnsWB, CnsRASS})
{
  iEnable              = {1, 1, 1};
  iProfiles            = {6, 6, 6};
  iNeighborsInHeight   = {2, 2, 2};
  iNeighborsInTime     = {2, 2, 2};
  fMaxGradientU    = {5.0, 5.0, 5.0};
  fMaxGradientV    = {5.0, 5.0, 5.0};
  fMaxGradientW    = {3.0, 3.0, 3.0};
  fMaxGradientTemp     = {4.0, 4.0, 4.0};
  iMinPatternSize      = {10, 10, 10};
  iQCCode              = {7, 7, 7};
  sOLEID               = 'Lapxm.QC_WeberWuertz.1';
};

}
```

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