```
//-----
     Charge-complete detector package
int runLength;
float previousMA;
boolean extending;
                      // <<< Temporary: remove when time extension no longer needed.</pre>
void ActivateDetector (void)
   StartTimer(ArmDetectorTimer, (10 * 60.0)); // 10 minutes
   runLength = 0;
   previousMA = 10000.0;
   extending = false;
}
boolean FullyCharged (float shuntMA, float tempDifferential)
{
    float smoothedMA;
   if (extending)
       return (!IsRunning(ExtensionTimer));
   if (IsRunning(ArmDetectorTimer)) // No detectors for 1st ten minutes
       return false;
   if (tempDifferential < 3.0)
       return false;
   smoothedMA = Savitzky(shuntMA, &savitskyStructure);
   runLength = (smoothedMA > previousMA) ? runLength + 1 : 0;
   previousMA = smoothedMA;
   if (runLength > 12) {
       CTReport(2, shuntMA, 0.0, tempDifferential, 0.0, millis());
   // return true;
       extending = true;
                                                  // <<< Temporary: extend run...</pre>
       StartTimer(ExtensionTimer, 10 * 60.0); // <<< ...for ten more minutes
   return false;
}
```