Sub ManipulateFlashDrumSection2Results()

'

' ManipulateFlashDrumSection2Results Macro

'

Application.ScreenUpdating = False

'

Range("A2").Select

ActiveCell.FormulaR1C1 = "°C"

Range("F2").Select

ActiveCell.FormulaR1C1 = "J/(g\*°C)"

Range("G2").Select

ActiveCell.FormulaR1C1 = "J/(g\*°C)"

Range("H2").Select

ActiveCell.FormulaR1C1 = "J/(g\*°C)"

Cells.Select

Range("A2").Activate

Cells.EntireColumn.AutoFit

With Selection

.HorizontalAlignment = xlGeneral

.VerticalAlignment = xlBottom

.WrapText = False

.Orientation = 0

.AddIndent = False

.IndentLevel = 0

.ShrinkToFit = False

.ReadingOrder = xlContext

.MergeCells = False

End With

With Selection

.HorizontalAlignment = xlGeneral

.VerticalAlignment = xlCenter

.WrapText = False

.Orientation = 0

.AddIndent = False

.IndentLevel = 0

.ShrinkToFit = False

.ReadingOrder = xlContext

.MergeCells = False

End With

With Selection

.HorizontalAlignment = xlRight

.VerticalAlignment = xlCenter

.WrapText = False

.Orientation = 0

.AddIndent = False

.IndentLevel = 0

.ShrinkToFit = False

.ReadingOrder = xlContext

.MergeCells = False

End With

With Selection

.HorizontalAlignment = xlCenter

.VerticalAlignment = xlCenter

.WrapText = False

.Orientation = 0

.AddIndent = False

.IndentLevel = 0

.ShrinkToFit = False

.ReadingOrder = xlContext

.MergeCells = False

End With

Cells.EntireColumn.AutoFit

Range("I1").Select

ActiveCell.FormulaR1C1 = "Specific EnthalpyDry Gas"

With ActiveCell.Characters(Start:=1, Length:=17).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=18, Length:=7).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("I4").Select

Columns("I:I").EntireColumn.AutoFit

Range("J1").Select

ActiveCell.FormulaR1C1 = "Specific EnthalpySuperheated Steam (hs)"

With ActiveCell.Characters(Start:=1, Length:=17).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=18, Length:=17).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=35, Length:=3).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=38, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=39, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("J4").Select

Columns("J:J").EntireColumn.AutoFit

Range("I1").Select

ActiveCell.FormulaR1C1 = "Specific EnthalpyDry Gas (hg)"

With ActiveCell.Characters(Start:=1, Length:=17).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=18, Length:=7).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=25, Length:=3).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=28, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=29, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("J8").Select

Columns("I:I").EntireColumn.AutoFit

Range("H1").Select

ActiveCell.FormulaR1C1 = "CP,Steam"

Range("G1").Select

ActiveCell.FormulaR1C1 = "CPCO2"

With ActiveCell.Characters(Start:=1, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=2, Length:=4).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("G1").Select

ActiveCell.FormulaR1C1 = "CP,CO2"

With ActiveCell.Characters(Start:=1, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=2, Length:=5).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("H1").Select

ActiveCell.FormulaR1C1 = "CP,Steam"

With ActiveCell.Characters(Start:=1, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=2, Length:=7).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("F1").Select

ActiveCell.FormulaR1C1 = "CP,N2"

With ActiveCell.Characters(Start:=1, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=2, Length:=4).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("E1").Select

ActiveCell.FormulaR1C1 = "Sum?"

With ActiveCell.Characters(Start:=1, Length:=3).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=4, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontNone

End With

Range("E1").Select

ActiveCell.FormulaR1C1 = "?"

Rows("1:1").Select

Selection.Insert Shift:=xlDown, CopyOrigin:=xlFormatFromLeftOrAbove

Range("B1:E1").Select

Range("E1").Activate

With Selection

.HorizontalAlignment = xlCenter

.VerticalAlignment = xlCenter

.WrapText = False

.Orientation = 0

.AddIndent = False

.IndentLevel = 0

.ShrinkToFit = False

.ReadingOrder = xlContext

.MergeCells = False

End With

Selection.Merge

ActiveCell.FormulaR1C1 = "Hot Gas Composition"

Range("B2").Select

ActiveCell.FormulaR1C1 = "Mass Percentage N2"

With ActiveCell.Characters(Start:=1, Length:=17).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=18, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("B2").Select

ActiveCell.FormulaR1C1 = "Mass Percentage N2"

With ActiveCell.Characters(Start:=1, Length:=17).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=18, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("C2").Select

ActiveCell.FormulaR1C1 = "Mass Percentage CO2"

With ActiveCell.Characters(Start:=1, Length:=18).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=19, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("D2").Select

ActiveCell.FormulaR1C1 = "Mass Percentage H2O"

Range("D3").Select

Columns("D:D").EntireColumn.AutoFit

Range("D2").Select

ActiveCell.FormulaR1C1 = "Mass Percentage H2O"

With ActiveCell.Characters(Start:=1, Length:=17).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=18, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=19, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("D2").Select

ActiveCell.FormulaR1C1 = "Mass Percentage H2O"

With ActiveCell.Characters(Start:=1, Length:=17).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=18, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = True

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=19, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("A1:M44").Select

Range("F6").Activate

Columns("D:D").EntireColumn.AutoFit

Range("A1").Select

With Selection.Font

.Color = -16776961

.TintAndShade = 0

End With

With Selection.Interior

.Pattern = xlSolid

.PatternColorIndex = xlAutomatic

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.PatternTintAndShade = 0

End With

Range("F1:H1").Select

With Selection

.HorizontalAlignment = xlCenter

.VerticalAlignment = xlCenter

.WrapText = False

.Orientation = 0

.AddIndent = False

.IndentLevel = 0

.ShrinkToFit = False

.ReadingOrder = xlContext

.MergeCells = False

End With

Selection.Merge

ActiveCell.FormulaR1C1 = "Hot Gas Heat Capacities"

Range("I1:J1").Select

With Selection

.HorizontalAlignment = xlCenter

.VerticalAlignment = xlCenter

.WrapText = False

.Orientation = 0

.AddIndent = False

.IndentLevel = 0

.ShrinkToFit = False

.ReadingOrder = xlContext

.MergeCells = False

End With

Selection.Merge

ActiveCell.FormulaR1C1 = "Hot Gas Specific Enthalpies"

Range("K2").Select

ActiveCell.FormulaR1C1 = "Recycle Ratio ?"

With ActiveCell.Characters(Start:=1, Length:=13).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=14, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Italic"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=15, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Italic"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontNone

End With

Range("K1:M1").Select

With Selection

.HorizontalAlignment = xlCenter

.VerticalAlignment = xlCenter

.WrapText = False

.Orientation = 0

.AddIndent = False

.IndentLevel = 0

.ShrinkToFit = False

.ReadingOrder = xlContext

.MergeCells = False

End With

Selection.Merge

ActiveCell.FormulaR1C1 = "Key Parameters"

Range("M2").Select

ActiveWindow.ScrollColumn = 2

ActiveWindow.ScrollColumn = 1

Range("A2").Select

Range(Selection, Selection.End(xlToRight)).Select

Range("A2:M2,L3:M3").Select

Range("M3").Activate

Range(Selection, Selection.End(xlToLeft)).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlInsideVertical)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlInsideHorizontal)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThin

End With

Range("K1:M1").Select

ActiveWindow.ScrollColumn = 8

ActiveWindow.ScrollColumn = 7

ActiveWindow.ScrollColumn = 6

ActiveWindow.ScrollColumn = 5

ActiveWindow.ScrollColumn = 4

ActiveWindow.ScrollColumn = 3

ActiveWindow.ScrollColumn = 2

ActiveWindow.ScrollColumn = 1

Range("A1").Select

Range(Selection, Selection.End(xlToRight)).Select

Range(Selection, Selection.End(xlToRight)).Select

Range(Selection, Selection.End(xlToRight)).Select

Range(Selection, Selection.End(xlToRight)).Select

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

Selection.Borders(xlInsideVertical).LineStyle = xlNone

Selection.Borders(xlInsideHorizontal).LineStyle = xlNone

Columns("F:H").Select

Range("F2").Activate

Selection.NumberFormat = "0.00"

Cells.Select

Cells.EntireColumn.AutoFit

Columns("I:J").Select

Range("I2").Activate

Selection.NumberFormat = "0.00"

Columns("K:K").Select

Range("K2").Activate

Selection.NumberFormat = "0.000"

Columns("L:M").Select

Range("L2").Activate

Selection.NumberFormat = "0.00"

Columns("B:D").Select

Range("D2").Activate

Selection.NumberFormat = "0.00"

Columns("E:E").Select

Range("E2").Activate

Selection.NumberFormat = "0.00"

Range("A1:M44").Select

Range("C13").Activate

Columns("C:C").EntireColumn.AutoFit

Rows("3:3").EntireRow.AutoFit

ActiveWindow.SmallScroll Down:=-30

Range("A1").Select

Sheets("FlashDryingModelSection2Results").Select

Sheets("FlashDryingModelSection2Results").Name = "Results"

ActiveSheet.Shapes.AddChart2(240, xlXYScatter).Select

ActiveChart.SetSourceData Source:=Range("Results!$A$1:$M$44")

Range("B1:E1").Select

ActiveCell.FormulaR1C1 = "Hot Gas Composition"

Range( \_

"A1,B1:E1,F1:H1,I1:J1,K1:M1,L2:M2,K3:M3,I2:J2,I3:J3,F2:H2,F3:H3,B2:E2,B3:D3,A2,A3,A4" \_

).Select

Range("A4").Activate

Range(Selection, Selection.End(xlDown)).Select

ActiveWindow.SmallScroll Down:=-33

Range( \_

"A1,B1:E1,F1:H1,I1:J1,K1:M1,L2:M2,K3:M3,I2:J2,I3:J3,F2:H2,F3:H3,B2:E2,B3:D3,A2,A3,A4:A44,B4" \_

).Select

Range("B4").Activate

Range(Selection, Selection.End(xlDown)).Select

Range( \_

"A1,B1:E1,F1:H1,I1:J1,K1:M1,L2:M2,K3:M3,I2:J2,I3:J3,F2:H2,F3:H3,B2:E2,B3:D3,A2,A3,A4:A44,B4:D44" \_

).Select

Range("B4").Activate

ActiveWindow.SmallScroll Down:=-24

Range( \_

"A1,B1:E1,F1:H1,I1:J1,K1:M1,L2:M2,K3:M3,I2:J2,I3:J3,F2:H2,F3:H3,B2:E2,B3:D3,A2,A3,A4:A44,B4:D44,E3,E4:E5" \_

).Select

Range("E4").Activate

Range(Selection, Selection.End(xlDown)).Select

ActiveWindow.SmallScroll Down:=-30

Range( \_

"A1,B1:E1,F1:H1,I1:J1,K1:M1,L2:M2,K3:M3,I2:J2,I3:J3,F2:H2,F3:H3,B2:E2,B3:D3,A2,A3,A4:A44,B4:D44,E3,E4:E44,F4:H4" \_

).Select

Range("F4").Activate

Range(Selection, Selection.End(xlDown)).Select

ActiveWindow.SmallScroll Down:=-24

Range( \_

"A1,B1:E1,F1:H1,I1:J1,K1:M1,L2:M2,K3:M3,I2:J2,I3:J3,F2:H2,F3:H3,B2:E2,B3:D3,A2,A3,A4:A44,B4:D44,E3,E4:E44,F4:H44,I4" \_

).Select

Range("I4").Activate

Range(Selection, Selection.End(xlDown)).Select

Range(Selection, Selection.End(xlToRight)).Select

Range(Selection, Selection.End(xlToLeft)).Select

Range(Selection, Selection.End(xlToRight)).Select

Range( \_

"A1,B1:E1,F1:H1,I1:J1,K1:M1,L2:M2,K3:M3,I2:J2,I3:J3,F2:H2,F3:H3,B2:E2,B3:D3,A2,A3,A4:A44,B4:D44,E3,E4:E44,F4:H44,I4:J44" \_

).Select

Range("I4").Activate

ActiveWindow.SmallScroll Down:=-30

Range( \_

"A1,B1:E1,F1:H1,I1:J1,K1:M1,L2:M2,K3:M3,I2:J2,I3:J3,F2:H2,F3:H3,B2:E2,B3:D3,A2,A3,A4:A44,B4:D44,E3,E4:E44,F4:H44,I4:J44,K4:M4" \_

).Select

Range("K4").Activate

Range(Selection, Selection.End(xlDown)).Select

ActiveWindow.SmallScroll Down:=-30

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlInsideVertical)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlInsideHorizontal)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThin

End With

Range("K2").Select

ActiveCell.FormulaR1C1 = "Recycle Ratio"

With ActiveCell.Characters(Start:=1, Length:=13).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=14, Length:=0).Font

.Name = "Calibri"

.FontStyle = "Italic"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

Range("K2").Select

ActiveCell.FormulaR1C1 = "Recycle Ratio ?"

With ActiveCell.Characters(Start:=1, Length:=14).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=15, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontNone

End With

Range("A1").Select

ActiveSheet.ChartObjects("Chart 1").Activate

ActiveChart.FullSeriesCollection(1).Delete

ActiveChart.FullSeriesCollection(1).Delete

ActiveChart.FullSeriesCollection(1).Delete

ActiveChart.FullSeriesCollection(1).Delete

ActiveChart.FullSeriesCollection(1).Delete

ActiveChart.FullSeriesCollection(1).Delete

ActiveChart.FullSeriesCollection(1).Delete

ActiveChart.FullSeriesCollection(1).Delete

ActiveChart.SeriesCollection.NewSeries

ActiveChart.FullSeriesCollection(1).XValues = "=Results!$A$4:$A$44"

ActiveChart.FullSeriesCollection(1).Values = "=Results!$M$4:$M$44"

ActiveChart.FullSeriesCollection(1).Name = \_

"=""Hot Gas Flow vs. Hot Gas Temperature"""

Sheets("Results").Select

Charts.Add2

ActiveChart.SetSourceData Source:=Range( \_

"Results!$A$4:$A$44,Results!$M$4:$M$44")

Sheets("Chart1").Select

Sheets("Chart1").Move After:=Sheets(2)

ActiveChart.FullSeriesCollection(1).Select

Selection.Delete

ActiveChart.ChartArea.Select

ActiveChart.FullSeriesCollection(1).Select

Selection.Delete

Sheets("Chart1").Select

Sheets("Chart1").Name = "Hot Gas Flow vs. Hot Gas Temp"

Sheets("Results").Select

ActiveSheet.ChartObjects("Chart 1").Activate

ActiveChart.Parent.Cut

Sheets("Hot Gas Flow vs. Hot Gas Temp").Select

ActiveChart.ChartArea.Select

ActiveChart.paste

ActiveChart.ClearToMatchStyle

ActiveChart.ChartStyle = 201

ActiveChart.ClearToMatchStyle

ActiveChart.ChartStyle = 202

ActiveChart.ClearToMatchStyle

ActiveChart.ChartStyle = 203

ActiveChart.ApplyLayout (6)

ActiveChart.ClearToMatchStyle

ActiveChart.ChartStyle = 205

ActiveChart.ClearToMatchStyle

ActiveChart.ChartStyle = 207

ActiveChart.ClearToMatchStyle

ActiveChart.ChartStyle = 209

ActiveChart.ChartArea.Select

ActiveChart.FullSeriesCollection(1).DataLabels.Select

Selection.Delete

ActiveChart.ChartArea.Select

ActiveChart.Legend.Select

Selection.Delete

ActiveChart.ChartArea.Select

ActiveChart.Axes(xlCategory).AxisTitle.Select

Selection.Caption = "Hot Gas Temperature ("

ActiveChart.Axes(xlValue, xlPrimary).AxisTitle.Text = \_

"Hot Gas Temperature (°C)"

Selection.Format.TextFrame2.TextRange.Characters.Text = \_

"Hot Gas Temperature (°C)"

With Selection.Format.TextFrame2.TextRange.Characters(1, 24).ParagraphFormat

.TextDirection = msoTextDirectionLeftToRight

.Alignment = msoAlignCenter

End With

With Selection.Format.TextFrame2.TextRange.Characters(1, 24).Font

.BaselineOffset = 0

.Bold = msoTrue

.Caps = msoAllCaps

.NameComplexScript = "+mn-cs"

.NameFarEast = "+mn-ea"

.Fill.Visible = msoTrue

.Fill.ForeColor.RGB = RGB(217, 217, 217)

.Fill.Transparency = 0

.Fill.Solid

.Size = 9

.Italic = msoFalse

.Kerning = 12

.Name = "+mn-lt"

.UnderlineStyle = msoNoUnderline

.Strike = msoNoStrike

End With

ActiveChart.ChartArea.Select

ActiveChart.Axes(xlValue).AxisTitle.Select

Selection.Caption = "Hot Gas Flow (kg/s)"

ActiveChart.ChartTitle.Select

Selection.Caption = "Hot Gas Flow vs. Hot Gas Temperature"

ActiveChart.Axes(xlCategory).Select

ActiveChart.Axes(xlCategory).MinimumScale = 400

Sheets("Results").Select

ActiveWindow.SmallScroll Down:=-33

Range("A1").Select

Range("A1,B1:E1,F1:H1,I1:J1,K1:M1,K2:M2,I2:J2,F2:H2,B2:D2,A2").Select

Range("A2").Activate

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = xlAutomatic

.TintAndShade = 0

.Weight = xlThick

End With

Selection.Borders(xlInsideHorizontal).LineStyle = xlNone

Range("B2:E2").Select

Range("E2").Activate

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

Selection.Borders(xlInsideVertical).LineStyle = xlNone

Selection.Borders(xlInsideHorizontal).LineStyle = xlNone

Range("E2").Select

ActiveSheet.Shapes.AddLabel(msoTextOrientationHorizontal, 532.2, 226.2, 72, 72) \_

.Select

Range("I16").Select

ActiveSheet.Shapes.Range(Array("TextBox 2")).Select

Selection.ShapeRange(1).TextFrame2.TextRange.Characters.Text = ""

Selection.Delete

Range("E2").Select

ActiveCell.FormulaR1C1 = "??"

With ActiveCell.Characters(Start:=1, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=2, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontNone

End With

Range("K2").Select

ActiveCell.FormulaR1C1 = "Recycle Ratio (Nu)"

With ActiveCell.Characters(Start:=1, Length:=14).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontMinor

End With

With ActiveCell.Characters(Start:=15, Length:=1).Font

.Name = "Calibri"

.FontStyle = "Regular"

.Size = 11

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.Underline = xlUnderlineStyleNone

.ThemeColor = xlThemeColorLight1

.TintAndShade = 0

.ThemeFont = xlThemeFontNone

End With

Range("E2").Select

ActiveCell.FormulaR1C1 = "?"

Range("A3,B3:E3,F3:H3,I3:J3,K3:M3").Select

Range("K3").Activate

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

Selection.Borders(xlInsideHorizontal).LineStyle = xlNone

Range("A4").Select

Range(Selection, Selection.End(xlDown)).Select

ActiveWindow.SmallScroll Down:=-30

Range("A4:A44,B4").Select

Range("B4").Activate

Range(Selection, Selection.End(xlDown)).Select

Range("A4:A44,B4:D44").Select

Range("B4").Activate

ActiveWindow.SmallScroll Down:=-30

Range(Selection, Selection.End(xlDown)).Select

Range("A4:B4").Select

Range(Selection, Selection.End(xlDown)).Select

Range("B4").Activate

ActiveWindow.SmallScroll Down:=-27

Range("A4,B4:E4,F4:H4").Select

Range(Selection, Selection.End(xlDown)).Select

Range("F4").Activate

Range(Selection, Selection.End(xlDown)).Select

ActiveWindow.SmallScroll Down:=-24

Range("A4,B4:E4,F4:H4,I4").Select

Range(Selection, Selection.End(xlDown)).Select

Range("I4").Activate

Selection.End(xlToRight).Select

Selection.End(xlToLeft).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

Selection.Borders(xlInsideVertical).LineStyle = xlNone

With Selection.Borders(xlInsideHorizontal)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThin

End With

Range("B4:D4").Select

Range(Selection, Selection.End(xlDown)).Select

Range("B4:E4").Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlInsideVertical)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlInsideHorizontal)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThin

End With

Range("F4:H4").Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlInsideVertical)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlInsideHorizontal)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThin

End With

Range("I4:J4").Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThick

End With

With Selection.Borders(xlInsideVertical)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlInsideHorizontal)

.LineStyle = xlContinuous

.ColorIndex = 0

.TintAndShade = 0

.Weight = xlThin

End With

Range("K4:M4").Select

Range(Selection, Selection.End(xlDown)).Select

Cells.Select

Cells.EntireColumn.AutoFit

Range("A1").Select

Application.ScreenUpdating = True

End Sub