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```
%can-you-fall-faster-than-the-speed-of-sound/?redirectURL=https%3A%2F%2Fwww.wired.com%2F2012%2F02%2Fstratos-spa...
%redbull.com/ca-en/red-bull-stratos-release-mission-data
%wired.com/2012/07/how-do-you-measure-the-stratos-space-jump
%wired.com/2012/07/analysis-of-a-red-bull-stratos-practice-jump
```

## ENSC180-Assignment2

```
% Student Name 1: Sepehr Borji

% Student 1 #: 123456781

% Student 1 userid (email): Sepehr_borji@sfu.ca

% Student Name 2: Akashroop Malhi

% Student 2 #: 301393341
% Student 2 userid (email): stu2 (asm19@sfu.ca)

% Below, edit to list any people who helped you with the assignment,
%      or put 'none' if nobody helped (the two of) you.

% Helpers: _everybody helped us/me with the assignment (list names or
put 'none')__
```

## Instructions:

- Put your name(s), student number(s), userid(s) in the above section.
- Edit the "Helpers" line.
- Your group name should be "A2\_<userid1>\_<userid2>" (eg. A2\_stu1\_stu2)

- 
- Form a group as described at: <https://courses.cs.sfu.ca/docs/students>
  - Replace "% [your work here](#)" below, or similar, with your own answers and work.
  - Navigate to the "PUBLISH" tab (located on top of the editor) \* Click on the "Publish" dropdown and choose pdf as "Output file format" under "Edit Publishing Options..." \* Click "Publish" button. Ensure a report is automatically generated
  - You will submit THIS file (assignment2.m), and the PDF report (assignment2.pdf). Craig Scratchley, Spring 2021

## main

```
function main

clf

% constants -- you can put constants for the program here
%MY_CONST = 123;

g = -9.8;

% variables -- you can put variables for the program here
%myVar = 456;

% prepare the data
% <place your work here>
    Table = readtable('./data/data_clean_more_fixed_simplest.xlsx');
    data = table2array(Table);

% ... = xlsread()/csvread()/readtable()
% ...
% myVector(isnan(myVector))=[];

% <put here any conversions that are necessary>
```

---

## Part 1

Answer some questions here in these comments... How accurate is the model for the first portion of the minute? The height vs the height measured is quite similar, in fact they are almost identical to eachother for the first portion of the minute. We can also state the same for velocity, as they are almost identical again. However, the measured acceleration changes quite frequently but remains similar to the modelled acceleration. Therefore, all of models are quite similar to eachother for the first portion of the minute.

```
% How accurate is the model for the last portion of that first minute?
% The three models seems to differ at the start of the last portion of
  the
% first minute. This is where the values no longer overlap with
  eachother
% and you can see a difference between the modelled and measured
  values.
```

```
% Comment on the acceleration calculated from the measured data.
% Is there any way to smooth the acceleration calculated from the
  data?
% The function smoothdata() helps smooth the acceleration calculated
  from
% the data.
```

```
part = 1;
% model Felix Baumgartner's altitude, velocity, and acceleration for
  the
```

---

```
%      first minute after he jumped from 38,969.4 meters above sea
level
[T,M] = ode45(@fall, [0,60], [38959,0])
```

```
% <call here your function to create your plots>
plotComparisons(60, 'Part1 - Freefall', T, M)
```

$T =$

```

0
0.0000
0.0000
0.0000
0.0000
0.0000
0.0001
0.0001
0.0001
0.0001
0.0003
0.0004
0.0005
0.0006
0.0013
0.0019
0.0026
0.0032
0.0064
0.0096
0.0128
0.0160
0.0320
0.0480
0.0640
0.0800
0.1601
0.2401
0.3202
0.4002
0.8004
1.2006
1.6008
2.0010
3.5010
5.0010
6.5010
8.0010
9.5010
11.0010
12.5010
14.0010
15.5010
17.0010
```

---

18.5010  
20.0010  
21.5010  
23.0010  
24.5010  
26.0010  
27.5010  
29.0010  
30.5010  
32.0010  
33.5010  
35.0010  
36.5010  
38.0010  
39.5010  
41.0010  
42.5010  
44.0010  
45.5010  
47.0010  
48.5010  
50.0010  
51.5010  
53.0010  
54.5010  
56.0010  
57.0008  
58.0005  
59.0003  
60.0000

$M =$

1.0e+04 \*

3.8959	0
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000

---

3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0000
3.8959	-0.0001
3.8959	-0.0001
3.8959	-0.0002
3.8959	-0.0002
3.8958	-0.0003
3.8958	-0.0004
3.8956	-0.0008
3.8952	-0.0012
3.8946	-0.0016
3.8939	-0.0020
3.8899	-0.0034
3.8836	-0.0049
3.8752	-0.0064
3.8645	-0.0078
3.8516	-0.0093
3.8366	-0.0108
3.8193	-0.0123
3.7998	-0.0137
3.7781	-0.0152
3.7542	-0.0167
3.7281	-0.0181
3.6997	-0.0196
3.6692	-0.0211
3.6365	-0.0226
3.6015	-0.0240
3.5644	-0.0255
3.5250	-0.0270
3.4835	-0.0284
3.4397	-0.0299
3.3937	-0.0314
3.3456	-0.0329
3.2952	-0.0343
3.2426	-0.0358
3.1878	-0.0373
3.1308	-0.0387
3.0716	-0.0402
3.0102	-0.0417
2.9465	-0.0432
2.8807	-0.0446
2.8127	-0.0461
2.7424	-0.0476
2.6700	-0.0490
2.5953	-0.0505
2.5185	-0.0520
2.4394	-0.0534
2.3581	-0.0549
2.3027	-0.0559
2.2463	-0.0569
2.1890	-0.0579

---

2.1306    -0.0588

## Part 2

Answer some questions here in these comments... Estimate your uncertainty in the mass that you have chosen (at the beginning of the jump). After research, the combined mass that we found was 118kg. The mass included felix + pressure suit + helmet with Oxygen + parachute.

```
% How sensitive is the velocity and altitude reached after 60 seconds
to
%   changes in the chosen mass?
% If we changed the mass to 116kg or 120kg in order to consider the
chances
% of calculation error, we noticed that changing mass values leads to
% change in terminal velocity. (Shift up or down)

part = 2;
[T,M] = ode45(@fall, [0,60], [38959,0]);

% <call here your function to create your plots>
plotComparisons(60, 'Part2 - Simple Air Resistance', T, M)
```

## Part 3

Answer some questions here in these comments... Felix was wearing a pressure suit and carrying oxygen. Why? What can we say about the density of air in the stratosphere? How is the density of air different at around 39,000 meters than it is on the ground? The density of air near the top of the stratosphere is nearly zero. Here is our source: [http://www.ccpo.odu.edu/SEES/ozone/class/Chap\\_6/6\\_2.htm#:~:text=The%20density%20of%20air%20near,with%20altitude%20and%20then%20increases](http://www.ccpo.odu.edu/SEES/ozone/class/Chap_6/6_2.htm#:~:text=The%20density%20of%20air%20near,with%20altitude%20and%20then%20increases). The density of air compared to the ground is close to 1.2. Felix needs to wear his own helmet with oxygen and pressure suit since there is a lack of atmosphere pressure and air which will allow him to die. There was a higher velocity at the higher stratosphere point, therefore Felix has a lower drag force at 39000m. Therefore, we can conclude that the lower the altitude, the higher the density of air.

```
% What are the factors involved in calculating the density of air?
%   How do those factors change when we end up at the ground but
start
%   at the stratosphere? Please explain how calculating air density
up
%   to the stratosphere is more complicated than say just in the
troposphere.
% After research, the factors that involve calculating the density of
air
%   are mainly pressure, temperature, and humidity. The air density
formula
%   includes, density of air, absolute pressure, specific gas constant,
and
%   absolute temperature.
% According to online research, as we get closer to the ground, the
values tend to converge towards one.
% What method(s) can we employ to estimate [the ACd] product?
```

---

```

% What is your estimated [ACd] product?
% ACd = 0.889
%
% [Given what we are told in the textbook about the simple drag
  constant, b,]
% does the estimate for ACd seem reasonable?
% We do not believe the estimate is reasonable.

part = 3;
[T,M] = ode45(@fall, [0,270], [39000,0]);

% <call here your function to create your plots>
plotComparisons(270, 'Part3: Drag', T, M);

Output argument "res" (and maybe others) not assigned during call to
"assignment2/finding_ACd".

Error in assignment2/drag (line 297)
    CdA = finding_ACd(m);

Error in assignment2/acceleration (line 262)
    b = drag(t, y, v, m);

Error in assignment2/fall (line 240)
    dvdt = acceleration(t, y, v); % acceleration: the derivative of
    velocity w.r.t. time

Error in odearguments (line 90)
    f0 = feval(ode,t0,y0,args{:}); % ODE15I sets args{1} to yp0.

Error in ode45 (line 115)
    odearguments(FcnHandlesUsed, solver_name, ode, tspan, y0, options,
    varargin);

Error in assignment2 (line 149)
    [T,M] = ode45(@fall, [0,270], [39000,0]);

```

## Part 4

Answer some questions here in these comments... What is the actual gravitational field strength around 39,000 meters? (See Tipler Volume 1 6e page 369.)  $9.688\text{m/s}^2$  is the acceleration due to gravity at 39000m How sensitive is the altitude reached after 4.5 minutes to simpler and more complicated ways of modeling the gravitational field strength? The altitude is not very sensitive because using the formula  $\text{grav} = g_{\text{SEA}} * (r_{\text{earth}}^2) / (r_{\text{earth}} + y)^2$  our value with 9.8 is already very close to one. Therefore, a change will not make a big difference.

```

% What other changes could we make to our model? Refer to, or at least
% attempt to explain, the physics behind any changes that you
  propose.
% We could find much more accurate data, this will allow use to have a
% smoother graph without any gaps in between.

```



---

```

% What is a change that we could make to our model that would result
%   in
%   insignificant changes to the altitude reached after 4.5 minutes?
% Any changes we make will allow the current data to change, therefore
%   the
%   results will be different.
% How can we decide what change is significant and what change is
%   insignificant?
% We can calculate error %, if there is a larger % of error, than it
%   is a
%   significant change.

% [What changes did you try out to improve the model? (Show us your
%   changes
%   even if they didn't make the improvement you hoped for.)]
% We tried to make the excel data a bit better, however it was quite
%   hard,
% it filled in some of the gaps was had initially.

part = 4;
[T,M] = ode45(@fall, [0,270], [39000,0]);
plotComparisons(270, 'Part4: Universal Gravitation', T, M);

```

## Part 5

Answer some questions here in these comments... At what altitude does Felix pull the ripcord to deploy his parachute? About 2517 m, we looked when there was a big impact on velocity

```

% Recalculate the CdA product with the parachute open, and modify your
%   code so that you use one CdA product before and one after this
%   altitude.
%   According to this version of the model, what is the maximum
%   magnitude
%   of acceleration that Felix experiences?
% <put your answer here in these comments>

%   How safe or unsafe would such an acceleration be for Felix?
% It would be extremely unsafe as the brain is deprived of oxygen.
%   Felix's
%   flesh would break due to stress, too much force.

part = 5;

%Make a single acceleration-plot figure that includes, for each of the
%model and the acceleration calculated from measurements, the moment
%   when
%the parachute opens and the following 10 or so seconds. If you have
%trouble solving this version of the model, just plot the acceleration
%calculated from measurements.

%code for part 5 is in the plotComparison function.

```

---

## Part 6

Answer some questions here in these comments... How long does it take for Felix's parachute to open?  
[your answer here in these comments](#)

```
part = 6;

%Redraw the acceleration figure from the previous Part but using the
new
% model. Also, using your plotting function from Part 1, plot the
% measured/calculated data and the model for the entire jump from
% stratosphere to ground.
% <place your work here>
```

## nested functions

nested functions below are required for the assignment. see Appendix B of Physical Modeling in MATLAB for discussion of nested functions

```
function res = fall(t, X)
    %FALL <Summary of this function goes here>
    % <Detailed explanation goes here>

    % do not modify this function unless required by you for some
    reason!

    y = X(1); % the first element is position
    v = X(2); % the second element is velocity

    dydt = v; % velocity: the derivative of position w.r.t. time
    dvdt = acceleration(t, y, v); % acceleration: the derivative of
    velocity w.r.t. time

    res = [dydt; dvdt]; % pack the results in a column vector
end

function res = acceleration(t, y, v)
    % <insert description of function here>
    % input...
    % t: time
    % y: altitude
    % v: velocity
    % output...
    % res: acceleration

    % do not modify this function unless required by you for some
    reason!

    grav = gravityEst(y);

    if part == 1 % variable part is from workspace of function main.
        res = -grav;
    else
```

---

```

        m = mass(t, v);
        b = drag(t, y, v, m);

        f_drag = -b * v^2 * sign(v);
        a_drag = f_drag / m;
        res = -grav + a_drag;
    end
end

% Please paste in or type in code into the below functions as may be
% needed.

function grav = gravityEst(y)
    % estimate the acceleration due to gravity as a function of
    % altitude, y
    g_SEA = 9.807; % gravity at sea level in m/s^2

    if part <= 3;
        grav = g_SEA;
    else
        r_earth = 6371000; %in meters
        grav = g_SEA*(r_earth^2)./(r_earth+y).^2;
    end
end

function res = mass(t, v)

    res = 73 + 27 + 3.628 + 14; %felix + pressure suit + helmet with
    % Oxygen + parachute
end

function res = drag(t, y, v, m)
% <insert description of function here>

    if part == 2
        res = 0.2;
    else
        % air resistance drag = 1/2*rho*c_d*a = 1/2*rho*CdA
        %%%%%%%%% input your code here %%%%%%%%%
        CdA = finding_ACd(m);
        rho = stdatmo(y);
        res = 1/2*rho*CdA;
    end
end

function res = ACd_Calculator(h, v_terminal, m)
    rho = stdatmo(h);
    g = gravityEst(h);
    res = 2*(g).*m./rho*v_terminal.^2;
end

function res = finding_ACd(m)

```

---

---

```

h = 27833;
v_terminal = 1357.6;
before_Parachute = ACd_Calculator(h, v_terminal, m);

end

```

## Additional nested functions

Nest any other functions below.

```

%Do not put functions in other files when you submit, except you can
use
% the stdatmo function in file stdatmo.m which has been provided to
you.
function res = plotComparisons(x, mytitle, T, M)

    % time indexes for max time = x
    for k = 1:length(T)
        if T(k) == x
            t = 1:k; % indexes only from the start of the fall until x
seconds
            break
        end
    end
    % position/velocity indexes for max time = x using first column
entries of M
    y = [];
    v = [];
    nb = [];
    %time_index=find(t_data >= time);
    %plot(t_data(1:time_index_min)
    %alt_data(1:time_index_min), 'b-');
    %plot(T,M(:,1),'r-');
    %hold on;

```

## Preprocessing - fill missing data using simple linear interpolation

```

%idx = 1:length(data)-1;

%[t_data, ~] = fillmissing(t_data,'linear','SamplePoints',idx);

%[alt_data, ~] = fillmissing(alt_data,'linear','SamplePoints',idx);

%[vel_data, ~] = fillmissing(vel_data,'linear','SamplePoints',idx);

b = smoothdata((data(:,3)));
plot(diff(b)./diff(t))
for k = 1:length(t)
    y = [y M(k,1)];
    v = [v M(k,2)];
    nb = [nb b(k)]

```

---

```

end
% subplot for model of position
figure;
subplot(3,1,1);

xlabel('s');
ylabel('m');
hold on
title(mytitle,'Altitude')
plot(t,y,'r-')
% subplot for experimental data of position
a = (data(:,2));
plot(a,'b-')
legend('Modeled','Actual')
hold off

% subplot for model of velocity
subplot(3,1,2);
hold on
xlabel('s');
ylabel('m/s');
plot(t,v,'r-')
title(mytitle,'Velocity')
% subplot for experimental data of velocity
b = smoothdata((data(:,3)));
plot(b,'b-')
legend('Modeled','Actual')
hold off

% subplot for model of acceleration
subplot(3,1,3);

xlabel('s');
ylabel('m/s^2');
hold on
plot(diff(v)./diff(t))
% FILL IN COMMANDS
title(mytitle,'Acceleration')
% subplot for measured acceleration
syms x
plot(diff(nb)./diff(t))
legend('Modeled','Actual')
hold off

nb =

874.2853

nb =

```

---

---

```

      874.2853  874.6304

nb =

      874.2853  874.6304  874.9743

nb =

      874.2853  874.6304  874.9743  875.3177

nb =

      874.2853  874.6304  874.9743  875.3177  875.6598

nb =

      874.2853  874.6304  874.9743  875.3177  875.6598  876.0007

nb =

      874.2853  874.6304  874.9743  875.3177  875.6598  876.0007  876.3404

nb =

Columns 1 through 7

      874.2853  874.6304  874.9743  875.3177  875.6598  876.0007  876.3404

Column 8

      876.6789

nb =

Columns 1 through 7

      874.2853  874.6304  874.9743  875.3177  875.6598  876.0007  876.3404

Columns 8 through 9

      876.6789  877.0161

nb =

Columns 1 through 7

```

---

---

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 10

876.6789 877.0161 877.3528

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 11

876.6789 877.0161 877.3528 877.6891

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 12

876.6789 877.0161 877.3528 877.6891 878.0248

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 13

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

nb =

Columns 1 through 7

---

---

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Column 15

879.0313

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 16

879.0313 879.3658

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 17

879.0313 879.3658 879.6999

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 18



---

879.0313 879.3658 879.6999 880.0341

*nb* =

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 19*

879.0313 879.3658 879.6999 880.0341 880.3679

*nb* =

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 20*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012

*nb* =

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*nb* =

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

---

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Column 22

881.3678

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 23

881.3678 881.7004

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 24

881.3678 881.7004 882.0325

nb =

Columns 1 through 7

---

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 25

881.3678 881.7004 882.0325 882.3642

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 26

881.3678 881.7004 882.0325 882.3642 882.6960

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 27

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274

---

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 28*

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 28*

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

*Column 29*

883.6888

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

---

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 30

883.6888 884.0187

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 31

883.6888 884.0187 884.3489

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 32

---

883.6888 884.0187 884.3489 884.6786

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 33

883.6888 884.0187 884.3489 884.6786 885.0079

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 34

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

---

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Column 36

885.9943

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

---

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 37

885.9943 886.3223

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 38

885.9943 886.3223 886.6500

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963



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Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 39

885.9943 886.3223 886.6500 886.9771

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 40

885.9943 886.3223 886.6500 886.9771 887.3031

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

---

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 41

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

---

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Column 43

888.2760

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 44

888.2760 888.5987

nb =

---

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 45

888.2760 888.5987 888.9202

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

---

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 46

888.2760 888.5987 888.9202 889.2406

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 47

888.2760 888.5987 888.9202 889.2406 889.5605

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

---

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 48

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

---

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Column 50

890.5138

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

---

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 51

890.5138 890.8298

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 52

890.5138 890.8298 891.1453

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21



---

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 53

890.5138 890.8298 891.1453 891.4596

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

---

Columns 50 through 54

890.5138 890.8298 891.1453 891.4596 891.7728

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 55

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

---

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

---

Column 57

892.7076

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 58

892.7076 893.0176

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

---

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 59

892.7076 893.0176 893.3265

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

---

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 60

892.7076 893.0176 893.3265 893.6342

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 61

892.7076 893.0176 893.3265 893.6342 893.9415

---

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 28*

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

*Columns 29 through 35*

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

*Columns 36 through 42*

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

*Columns 43 through 49*

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

*Columns 50 through 56*

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

*Columns 57 through 62*

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 28*

---

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967



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Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Column 64

894.8573

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 65

894.8573 895.1608

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*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 28*

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

*Columns 29 through 35*

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

*Columns 36 through 42*

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

*Columns 43 through 49*

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

*Columns 50 through 56*

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

*Columns 57 through 63*

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

*Columns 64 through 66*

894.8573 895.1608 895.4639

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

---

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 67

894.8573 895.1608 895.4639 895.7658

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

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883.6888	884.0187	884.3489	884.6786	885.0079	885.3367	885.6657
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Columns 36 through 42

885.9943	886.3223	886.6500	886.9771	887.3031	887.6286	887.9529
----------	----------	----------	----------	----------	----------	----------

Columns 43 through 49

888.2760	888.5987	888.9202	889.2406	889.5605	889.8792	890.1967
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Columns 50 through 56

890.5138	890.8298	891.1453	891.4596	891.7728	892.0856	892.3972
----------	----------	----------	----------	----------	----------	----------

Columns 57 through 63

892.7076	893.0176	893.3265	893.6342	893.9415	894.2477	894.5527
----------	----------	----------	----------	----------	----------	----------

Columns 64 through 68

894.8573	895.1608	895.4639	895.7658	896.0666
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nb =

Columns 1 through 7

874.2853	874.6304	874.9743	875.3177	875.6598	876.0007	876.3404
----------	----------	----------	----------	----------	----------	----------

Columns 8 through 14

876.6789	877.0161	877.3528	877.6891	878.0248	878.3608	878.6963
----------	----------	----------	----------	----------	----------	----------

Columns 15 through 21

879.0313	879.3658	879.6999	880.0341	880.3679	880.7012	881.0348
----------	----------	----------	----------	----------	----------	----------

Columns 22 through 28

881.3678	881.7004	882.0325	882.3642	882.6960	883.0274	883.3583
----------	----------	----------	----------	----------	----------	----------

Columns 29 through 35

883.6888	884.0187	884.3489	884.6786	885.0079	885.3367	885.6657
----------	----------	----------	----------	----------	----------	----------

Columns 36 through 42

885.9943	886.3223	886.6500	886.9771	887.3031	887.6286	887.9529
----------	----------	----------	----------	----------	----------	----------

Columns 43 through 49

888.2760	888.5987	888.9202	889.2406	889.5605	889.8792	890.1967
----------	----------	----------	----------	----------	----------	----------

Columns 50 through 56

---

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 69

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 70

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

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*nb* =

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 28*

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

*Columns 29 through 35*

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

*Columns 36 through 42*

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

*Columns 43 through 49*

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

*Columns 50 through 56*

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

*Columns 57 through 63*

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

*Columns 64 through 70*

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

*Column 71*

896.9650

*nb* =

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

---

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 70

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

Columns 71 through 72

896.9650 897.2635

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

---

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

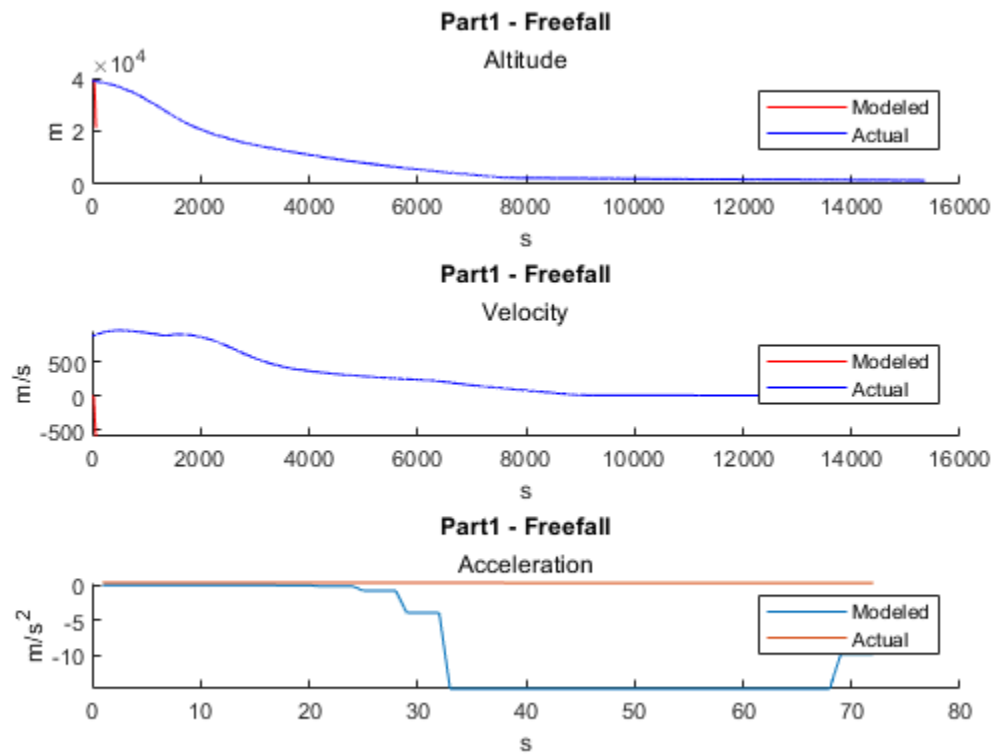
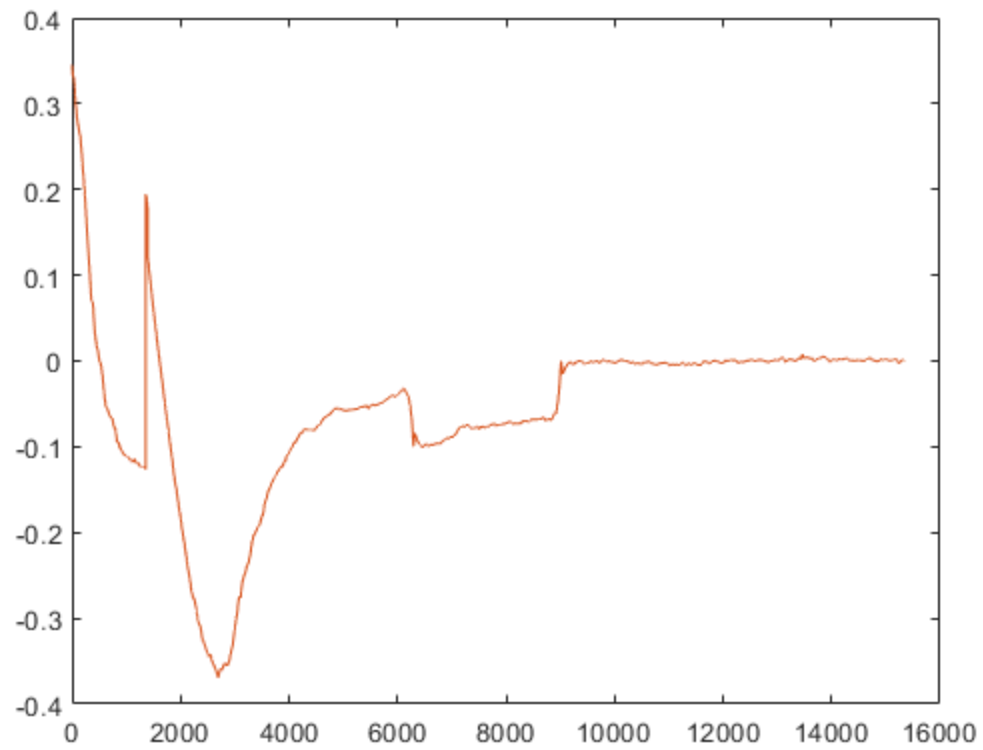
Columns 64 through 70

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

Columns 71 through 73

896.9650 897.2635 897.5608





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*nb* =

874.2853

*nb* =

874.2853 874.6304

*nb* =

874.2853 874.6304 874.9743

*nb* =

874.2853 874.6304 874.9743 875.3177

*nb* =

874.2853 874.6304 874.9743 875.3177 875.6598

*nb* =

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007

*nb* =

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*nb* =

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Column 8*

876.6789

*nb* =

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 9*

---

876.6789 877.0161

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 10

876.6789 877.0161 877.3528

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 11

876.6789 877.0161 877.3528 877.6891

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 12

876.6789 877.0161 877.3528 877.6891 878.0248

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 13

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

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Columns 8 through 14

876.6789	877.0161	877.3528	877.6891	878.0248	878.3608	878.6963
----------	----------	----------	----------	----------	----------	----------

nb =

Columns 1 through 7

874.2853	874.6304	874.9743	875.3177	875.6598	876.0007	876.3404
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Columns 8 through 14

876.6789	877.0161	877.3528	877.6891	878.0248	878.3608	878.6963
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Column 15

879.0313
----------

nb =

Columns 1 through 7

874.2853	874.6304	874.9743	875.3177	875.6598	876.0007	876.3404
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Columns 8 through 14

876.6789	877.0161	877.3528	877.6891	878.0248	878.3608	878.6963
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Columns 15 through 16

879.0313	879.3658
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nb =

Columns 1 through 7

874.2853	874.6304	874.9743	875.3177	875.6598	876.0007	876.3404
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Columns 8 through 14

876.6789	877.0161	877.3528	877.6891	878.0248	878.3608	878.6963
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Columns 15 through 17

879.0313	879.3658	879.6999
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nb =

Columns 1 through 7

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874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 18

879.0313 879.3658 879.6999 880.0341

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 19

879.0313 879.3658 879.6999 880.0341 880.3679

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 20

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

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*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Column 22*

881.3678

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 23*

881.3678 881.7004

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

---

Columns 22 through 24

881.3678 881.7004 882.0325

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 25

881.3678 881.7004 882.0325 882.3642

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 26

881.3678 881.7004 882.0325 882.3642 882.6960

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

---

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 27

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Column 29

883.6888

nb =

Columns 1 through 7

---



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874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 30

883.6888 884.0187

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 31

883.6888 884.0187 884.3489

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

---

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 32

883.6888 884.0187 884.3489 884.6786

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 33

883.6888 884.0187 884.3489 884.6786 885.0079

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 34

---

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Column 36

885.9943

nb =

---

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 37

885.9943 886.3223

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 38

885.9943 886.3223 886.6500

nb =

---

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 39

885.9943 886.3223 886.6500 886.9771

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 40

885.9943 886.3223 886.6500 886.9771 887.3031

nb =

---

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 41

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

nb =

---

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Column 43

888.2760

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

---

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 44

888.2760 888.5987

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 45

888.2760 888.5987 888.9202

*nb* =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28



---

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 46

888.2760 888.5987 888.9202 889.2406

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 47

888.2760 888.5987 888.9202 889.2406 889.5605

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

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876.6789	877.0161	877.3528	877.6891	878.0248	878.3608	878.6963
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Columns 15 through 21

879.0313	879.3658	879.6999	880.0341	880.3679	880.7012	881.0348
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Columns 22 through 28

881.3678	881.7004	882.0325	882.3642	882.6960	883.0274	883.3583
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Columns 29 through 35

883.6888	884.0187	884.3489	884.6786	885.0079	885.3367	885.6657
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Columns 36 through 42

885.9943	886.3223	886.6500	886.9771	887.3031	887.6286	887.9529
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Columns 43 through 48

888.2760	888.5987	888.9202	889.2406	889.5605	889.8792	
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nb =

Columns 1 through 7

874.2853	874.6304	874.9743	875.3177	875.6598	876.0007	876.3404
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Columns 8 through 14

876.6789	877.0161	877.3528	877.6891	878.0248	878.3608	878.6963
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Columns 15 through 21

879.0313	879.3658	879.6999	880.0341	880.3679	880.7012	881.0348
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Columns 22 through 28

881.3678	881.7004	882.0325	882.3642	882.6960	883.0274	883.3583
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Columns 29 through 35

883.6888	884.0187	884.3489	884.6786	885.0079	885.3367	885.6657
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Columns 36 through 42

885.9943	886.3223	886.6500	886.9771	887.3031	887.6286	887.9529
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Columns 43 through 49

888.2760	888.5987	888.9202	889.2406	889.5605	889.8792	890.1967
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*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 28*

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

*Columns 29 through 35*

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

*Columns 36 through 42*

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

*Columns 43 through 49*

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

*Column 50*

890.5138

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 28*

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

*Columns 29 through 35*

---

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 51

890.5138 890.8298

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 52

890.5138 890.8298 891.1453

nb =

Columns 1 through 7

---

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 53

890.5138 890.8298 891.1453 891.4596

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

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Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 54

890.5138 890.8298 891.1453 891.4596 891.7728

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 55

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

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Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

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Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Column 57

892.7076

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 58

892.7076 893.0176

nb =



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Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 59

892.7076 893.0176 893.3265

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

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881.3678	881.7004	882.0325	882.3642	882.6960	883.0274	883.3583
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Columns 29 through 35

883.6888	884.0187	884.3489	884.6786	885.0079	885.3367	885.6657
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Columns 36 through 42

885.9943	886.3223	886.6500	886.9771	887.3031	887.6286	887.9529
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Columns 43 through 49

888.2760	888.5987	888.9202	889.2406	889.5605	889.8792	890.1967
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Columns 50 through 56

890.5138	890.8298	891.1453	891.4596	891.7728	892.0856	892.3972
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Columns 57 through 60

892.7076	893.0176	893.3265	893.6342
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nb =

Columns 1 through 7

874.2853	874.6304	874.9743	875.3177	875.6598	876.0007	876.3404
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Columns 8 through 14

876.6789	877.0161	877.3528	877.6891	878.0248	878.3608	878.6963
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Columns 15 through 21

879.0313	879.3658	879.6999	880.0341	880.3679	880.7012	881.0348
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Columns 22 through 28

881.3678	881.7004	882.0325	882.3642	882.6960	883.0274	883.3583
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Columns 29 through 35

883.6888	884.0187	884.3489	884.6786	885.0079	885.3367	885.6657
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Columns 36 through 42

885.9943	886.3223	886.6500	886.9771	887.3031	887.6286	887.9529
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Columns 43 through 49

888.2760	888.5987	888.9202	889.2406	889.5605	889.8792	890.1967
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Columns 50 through 56

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890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 61

892.7076 893.0176 893.3265 893.6342 893.9415

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 62

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

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876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

---

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Column 64

894.8573

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

---

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 65

894.8573 895.1608

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 66

894.8573 895.1608 895.4639

nb =

---

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 67

894.8573 895.1608 895.4639 895.7658

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

---

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 68

894.8573 895.1608 895.4639 895.7658 896.0666

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42



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885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 69

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

---

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 70

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 70

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

Column 71

896.9650

---

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

*Columns 8 through 14*

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

*Columns 15 through 21*

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

*Columns 22 through 28*

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

*Columns 29 through 35*

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

*Columns 36 through 42*

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

*Columns 43 through 49*

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

*Columns 50 through 56*

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

*Columns 57 through 63*

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

*Columns 64 through 70*

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

*Columns 71 through 72*

896.9650 897.2635

*nb =*

*Columns 1 through 7*

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

---

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 70

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

Columns 71 through 73

896.9650 897.2635 897.5608

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

---

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 70

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

Columns 71 through 74

896.9650 897.2635 897.5608 897.8576

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

---

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 70

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

Columns 71 through 75

896.9650 897.2635 897.5608 897.8576 898.1541

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

---

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

Columns 57 through 63

892.7076 893.0176 893.3265 893.6342 893.9415 894.2477 894.5527

Columns 64 through 70

894.8573 895.1608 895.4639 895.7658 896.0666 896.3669 896.6662

Columns 71 through 76

896.9650 897.2635 897.5608 897.8576 898.1541 898.4495

nb =

Columns 1 through 7

874.2853 874.6304 874.9743 875.3177 875.6598 876.0007 876.3404

Columns 8 through 14

876.6789 877.0161 877.3528 877.6891 878.0248 878.3608 878.6963

Columns 15 through 21

879.0313 879.3658 879.6999 880.0341 880.3679 880.7012 881.0348

Columns 22 through 28

881.3678 881.7004 882.0325 882.3642 882.6960 883.0274 883.3583

Columns 29 through 35

883.6888 884.0187 884.3489 884.6786 885.0079 885.3367 885.6657

Columns 36 through 42

885.9943 886.3223 886.6500 886.9771 887.3031 887.6286 887.9529

Columns 43 through 49

888.2760 888.5987 888.9202 889.2406 889.5605 889.8792 890.1967

Columns 50 through 56

890.5138 890.8298 891.1453 891.4596 891.7728 892.0856 892.3972

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Columns 57 through 63

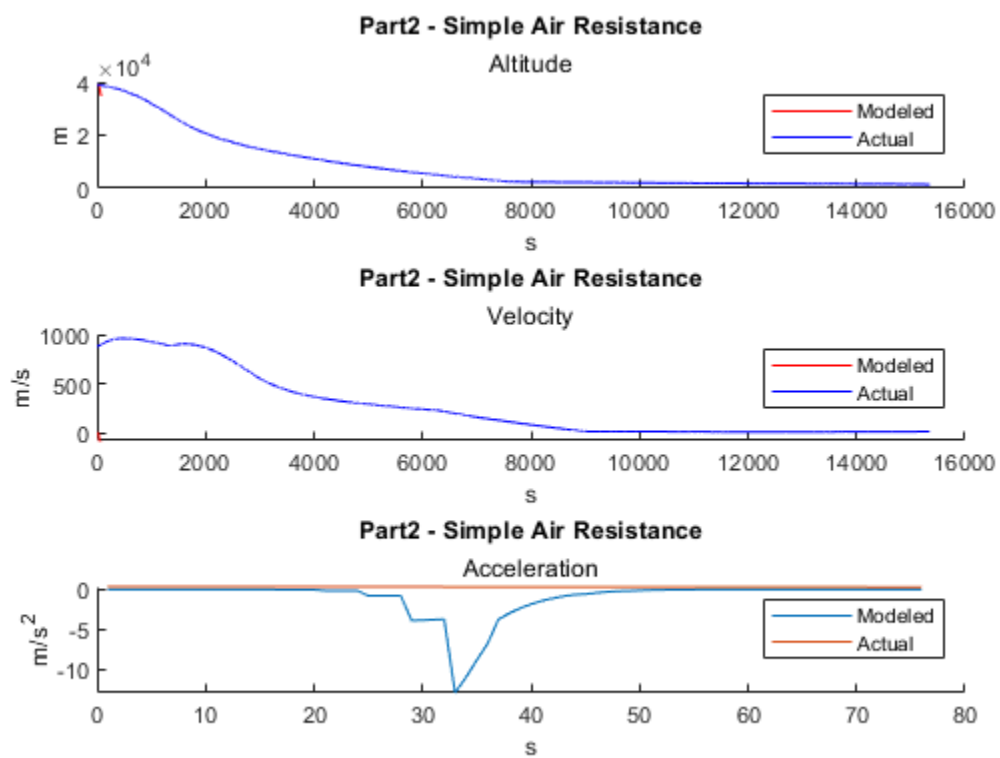
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Columns 64 through 70

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Columns 71 through 77

896.9650 897.2635 897.5608 897.8576 898.1541 898.4495 898.7444



end

% end of nested functions

end % closes function main.

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