Student Name: Sawsan Alshaghel Project: Explore Weather Trends

Outline

- 1 Tools Used
- 2 Extracting data
- 3 Exploring Data
- 4 Calculate Moving Average
- 5 Visualizing data
- 6 Observations

1 Tools Used:

SQL, EXCEL

2 Extracting data

• First Extracting Data from Tables Using SQL:

Select * From city_list;

Select * From city_data

Select * From city_global

3 Exploring Data

downloading CSV files and opening it using Excel;

4 Calculate Moving Average

Calculating 10 Years Moving Average using Average ([Rang]);

function in EXCEL

This Table clarifies Calculations:

year	Damascus_avg _temp	Damascus_Moving_avg_temp (formula)	Damascus _Moving_ avg_temp	Global_avg_ temp	Global_Moving_avg_temp (formula)	Global_ Moving_avg _temp
1808	14.91			7.63		
1809	17.04			7.08		
1810	17.09			6.92		
1811	17.12			6.86		
1812	17.07			7.05		
1813	17.62			7.74		
1814	17.68			7.59		
1815	17.42			7.24		
1816	16.97			6.94		
1817	17.15			6.98		

1818 17.99							
1820 17.67 -AVERAGE(D3:D13) 17.39 7.62 -AVERAGE(G4:G14) 7.29 1821 17.77 -AVERAGE(D5:D15) 17.45 8.09 -AVERAGE(G4:G14) 7.29 1822 17.66 -AVERAGE(D5:D15) 17.50 8.19 -AVERAGE(G5:G15) 7.39 1822 17.66 -AVERAGE(D5:D15) 17.50 8.19 -AVERAGE(G5:G16) 7.51 1823 17.96 -AVERAGE(D7:D17) 17.58 7.72 -AVERAGE(G5:G16) 7.57 1824 18.75 -AVERAGE(D8:D18) 17.68 8.55 -AVERAGE(G5:G16) 7.57 1825 18.09 -AVERAGE(D9:D19) 17.72 8.39 -AVERAGE(G8:G18) 7.65 1825 18.01 -AVERAGE(D9:D19) 17.77 8.36 -AVERAGE(G9:G19) 7.72 1826 18.01 -AVERAGE(D1:D21) 17.95 8.81 -AVERAGE(G1:G20) 7.82 1827 18.88 -AVERAGE(D1:D21) 17.95 8.81 -AVERAGE(G1:G20) 7.89 1828 18.08 -AVERAGE(D1:D21) 18.03 8.17 -AVERAGE(G1:G21) 7.99 1828 18.08 -AVERAGE(D1:D22) 18.03 8.17 -AVERAGE(G1:G21) 8.10 1829 18.05 -AVERAGE(D1:D22) 18.04 7.94 -AVERAGE(G1:G22) 8.10 1829 18.05 -AVERAGE(D1:D22) 18.04 7.94 -AVERAGE(G1:G22) 8.11 1830 18.36 -AVERAGE(D1:D25) 18.12 7.64 -AVERAGE(G1:G23) 8.11 1831 17.66 -AVERAGE(D1:D25) 18.12 7.64 -AVERAGE(G1:G25) 8.22 1832 17.08 -AVERAGE(D1:D25) 18.05 7.45 -AVERAGE(G1:G25) 8.22 1833 17.93 -AVERAGE(D1:D25) 18.06 8.15 -AVERAGE(G1:G27) 8.14 1834 17.79 -AVERAGE(D1:D22) 17.93 7.39 -AVERAGE(G1:G27) 8.14 1835 17.33 -AVERAGE(D1:D22) 17.93 7.39 -AVERAGE(G1:G23) 8.08 1836 17.77 -AVERAGE(D1:D21) 17.85 7.38 -AVERAGE(G1:G32) 7.81 1839 17.53 -AVERAGE(D2:D33) 17.66 7.63 -AVERAGE(G2:G33) 7.76 1840 17.57 -AVERAGE(D2:D31) 17.58 7.38 -AVERAGE(G2:G33) 7.76 1841 18.05 -AVERAGE(D2:D31) 17.61 7.8 -AVERAGE(G2:G33) 7.76 1842 18.01 -AVERAGE(D2:D31) 17.62 8.02 -AVERAGE(G2:G33) 7.77 1844 17.81 -AVERAGE(D2:D31) 17.70 8.17 -AVERAGE(G2:G33) 7.77 1844 17.81 -AVERAGE(D2:D31) 17.71 7.51 -AVERAGE(G2:G33) 7.77 1844 17.81 -AVERAGE(D2:D31) 17.70 8.17 -AVERAGE(G2:G33) 7.77 1844 17.81 -AVERAGE(D2:D31) 17.70 8.17 -AVERAGE(G2:G33) 7.77 1844 17.81 -AVERAGE(D2:D31) 17.71 7.85 -AVERAGE(G2:G33) 7.71	1818	17.99	=AVERAGE(D2:D12)	17.10	7.83	=AVERAGE(G2:G12)	7.26
1821 17.77	1819	17.5	=AVERAGE(D3:D13)	17.33	7.37	=AVERAGE(G3:G13)	7.24
1822 17.66	1820	17.67	=AVERAGE(D4:D14)	17.39	7.62	=AVERAGE(G4:G14)	7.29
1822 17.86	1821	17.77	=AVERAGE(D5:D15)	17.45	8.09	=AVERAGE(G5:G15)	7.39
18.24 18.75	1822	17.66	=AVERAGE(D6:D16)	17.50	8.19	=AVERAGE(G6:G16)	7.51
18.24 18.75	1823	17.96	=AVERAGE(D7:D17)	17.58	7.72	=AVERAGE(G7:G17)	7.57
1826	1824	18.75	=AVERAGE(D8:D18)	17.68	8.55	=AVERAGE(G8:G18)	7.65
18.26	1825	18.09	=AVERAGE(D9:D19)	17.72	8.39	=AVERAGE(G9:G19)	7.72
1828 18.08 =AVERAGE(D12:D22) 18.03 8.17 =AVERAGE(G12:G22) 8.10 1829 18.05 =AVERAGE(D13:D23) 18.04 7.94 =AVERAGE(G13:G23) 8.11 1830 18.36 =AVERAGE(D14:D24) 18.12 8.52 =AVERAGE(G14:G24) 8.21 1831 17.66 =AVERAGE(D15:D25) 18.12 7.64 =AVERAGE(G15:G25) 8.22 1832 17.08 =AVERAGE(D16:D26) 18.05 7.45 =AVERAGE(G16:G26) 8.16 1833 17.93 =AVERAGE(D19:D29) 18.08 8.01 =AVERAGE(G17:G27) 8.14 1834 17.79 =AVERAGE(D18:D28) 18.06 8.15 =AVERAGE(G18:G28) 8.18 1835 17.33 =AVERAGE(D19:D29) 17.93 7.39 =AVERAGE(G19:G29) 8.08 1836 17.77 =AVERAGE(D20:D30) 17.90 7.7 =AVERAGE(G20:G30) 8.01 1837 17.46 =AVERAGE(D21:D31) 17.85 7.38 =AVERAGE(G21:G31) 7.92 1838	1826	18.01	=AVERAGE(D10:D20)	17.77	8.36	=AVERAGE(G10:G20)	7.82
1829 18.05 =AVERAGE(D13:D23) 18.04 7.94 =AVERAGE(G13:G23) 8.11 1830 18.36 =AVERAGE(D14:D24) 18.12 8.52 =AVERAGE(G14:G24) 8.21 1831 17.66 =AVERAGE(D15:D25) 18.12 7.64 =AVERAGE(G15:G25) 8.22 1832 17.08 =AVERAGE(D16:D26) 18.05 7.45 =AVERAGE(G16:G26) 8.16 1833 17.93 =AVERAGE(D17:D27) 18.08 8.01 =AVERAGE(G17:G27) 8.14 1834 17.79 =AVERAGE(D18:D28) 18.06 8.15 =AVERAGE(G18:G28) 8.18 1835 17.33 =AVERAGE(D19:D29) 17.93 7.39 =AVERAGE(G19:G29) 8.08 1836 17.77 =AVERAGE(D20:D30) 17.90 7.7 =AVERAGE(G20:G30) 8.01 1837 17.46 =AVERAGE(D21:D31) 17.85 7.38 =AVERAGE(G21:G31) 7.92 1838 17.26 =AVERAGE(D2:D32) 17.71 7.51 =AVERAGE(G22:G32) 7.81 1840	1827	18.88	=AVERAGE(D11:D21)	17.95	8.81	=AVERAGE(G11:G21)	7.99
1830 18.36 =AVERAGE(D14:D24) 18.12 8.52 =AVERAGE(G14:G24) 8.21 1831 17.66 =AVERAGE(D15:D25) 18.12 7.64 =AVERAGE(G15:G25) 8.22 1832 17.08 =AVERAGE(D16:D26) 18.05 7.45 =AVERAGE(G16:G26) 8.16 1833 17.93 =AVERAGE(D17:D27) 18.08 8.01 =AVERAGE(G17:G27) 8.14 1834 17.79 =AVERAGE(D18:D28) 18.06 8.15 =AVERAGE(G18:G28) 8.18 1835 17.33 =AVERAGE(D19:D29) 17.93 7.39 =AVERAGE(G19:G29) 8.08 1836 17.77 =AVERAGE(D20:D30) 17.90 7.7 =AVERAGE(G20:G30) 8.01 1837 17.46 =AVERAGE(D21:D31) 17.85 7.38 =AVERAGE(G21:G31) 7.92 1838 17.26 =AVERAGE(D22:D32) 17.71 7.51 =AVERAGE(G22:G32) 7.81 1840 17.57 =AVERAGE(D23:D33) 17.66 7.63 =AVERAGE(G23:G33) 7.76 1841	1828	18.08	=AVERAGE(D12:D22)	18.03	8.17	=AVERAGE(G12:G22)	8.10
1830 18.36 =AVERAGE(D14:D24) 8.32 =AVERAGE(G14:G24) 1831 17.66 =AVERAGE(D15:D25) 18.12 7.64 =AVERAGE(G15:G25) 8.22 1832 17.08 =AVERAGE(D16:D26) 18.05 7.45 =AVERAGE(G16:G26) 8.16 1833 17.93 =AVERAGE(D17:D27) 18.08 8.01 =AVERAGE(G17:G27) 8.14 1834 17.79 =AVERAGE(D18:D28) 18.06 8.15 =AVERAGE(G18:G28) 8.18 1835 17.33 =AVERAGE(D19:D29) 17.93 7.39 =AVERAGE(G19:G29) 8.08 1836 17.77 =AVERAGE(D20:D30) 17.90 7.7 =AVERAGE(G20:G30) 8.01 1837 17.46 =AVERAGE(D20:D31) 17.85 7.38 =AVERAGE(G21:G31) 7.92 1838 17.26 =AVERAGE(D22:D32) 17.71 7.51 =AVERAGE(G22:G32) 7.81 1849 17.53 =AVERAGE(D23:D33) 17.66 7.63 =AVERAGE(G22:G33) 7.76 1840 17.57 =AVERAGE(D24:D34) 17.61 7.8 =AVERAGE(G24:G34) 7.74 1841 18.05 =AVERAGE(D25:D35) 17.58 7.69 =AVERAGE(G25:G35) 7.67 1842 18.01 =AV	1829	18.05	=AVERAGE(D13:D23)	18.04	7.94	=AVERAGE(G13:G23)	8.11
1832 17.08 =AVERAGE(D16:D26) 18.05 7.45 =AVERAGE(G16:G26) 8.16 1833 17.93 =AVERAGE(D17:D27) 18.08 8.01 =AVERAGE(G17:G27) 8.14 1834 17.79 =AVERAGE(D18:D28) 18.06 8.15 =AVERAGE(G18:G28) 8.18 1835 17.33 =AVERAGE(D19:D29) 17.93 7.39 =AVERAGE(G19:G29) 8.08 1836 17.77 =AVERAGE(D20:D30) 17.90 7.7 =AVERAGE(G20:G30) 8.01 1837 17.46 =AVERAGE(D21:D31) 17.85 7.38 =AVERAGE(G20:G30) 7.92 1838 17.26 =AVERAGE(D22:D32) 17.71 7.51 =AVERAGE(G20:G32) 7.81 1839 17.53 =AVERAGE(D23:D33) 17.66 7.63 =AVERAGE(G20:G33) 7.76 1840 17.57 =AVERAGE(D24:D34) 17.61 7.8 =AVERAGE(G20:G35) 7.74 1841 18.05 =AVERAGE(D24:D34) 17.58 7.69 =AVERAGE(G20:G35) 7.67 1842 18.01 =AVERAGE(D26:D36) 17.62 8.02 =AVERAGE(G20:G36) 7.70 1843 17.95 =AVERAGE(D20:D38) 17.68 7.65 =AVERAGE(G20:G38) 7.74 1844 17.81 =AVERAGE(D20:D39) 17.71 7.85 =AVERAGE(G20:G39) 7.71 1845 18.02 =AVERAGE(D20:D39) 17.71 7.85 =AVERAGE(G20:G39) 7.71	1830	18.36	=AVERAGE(D14:D24)	18.12	8.52	=AVERAGE(G14:G24)	8.21
1832 17.08 -AVERAGE(D18:D26) 7.43 -AVERAGE(B18:G26) 8.14 1833 17.93 =AVERAGE(D17:D27) 18.08 8.01 =AVERAGE(G17:G27) 8.14 1834 17.79 =AVERAGE(D18:D28) 18.06 8.15 =AVERAGE(G18:G28) 8.18 1835 17.33 =AVERAGE(D19:D29) 17.93 7.39 =AVERAGE(G19:G29) 8.08 1836 17.77 =AVERAGE(D20:D30) 17.90 7.7 =AVERAGE(G20:G30) 8.01 1837 17.46 =AVERAGE(D21:D31) 17.85 7.38 =AVERAGE(G21:G31) 7.92 1838 17.26 =AVERAGE(D22:D32) 17.71 7.51 =AVERAGE(G22:G32) 7.81 1839 17.53 =AVERAGE(D23:D33) 17.66 7.63 =AVERAGE(G23:G33) 7.76 1840 17.57 =AVERAGE(D24:D34) 17.61 7.8 =AVERAGE(G24:G34) 7.74 1841 18.05 =AVERAGE(D25:D35) 17.58 7.69 =AVERAGE(G25:G35) 7.67 1842 18.01	1831	17.66	=AVERAGE(D15:D25)	18.12	7.64	=AVERAGE(G15:G25)	8.22
1835 17.93 -AVERAGE(D17.B27) 8.01 -AVERAGE(G17.G27) 1834 17.79 -AVERAGE(D18:D28) 18.06 8.15 -AVERAGE(G18:G28) 8.18 1835 17.33 -AVERAGE(D19:D29) 17.93 7.39 -AVERAGE(G19:G29) 8.08 1836 17.77 -AVERAGE(D20:D30) 17.90 7.7 -AVERAGE(G20:G30) 8.01 1837 17.46 -AVERAGE(D21:D31) 17.85 7.38 -AVERAGE(G21:G31) 7.92 1838 17.26 -AVERAGE(D22:D32) 17.71 7.51 -AVERAGE(G22:G32) 7.81 1839 17.53 -AVERAGE(D23:D33) 17.66 7.63 -AVERAGE(G23:G33) 7.76 1840 17.57 -AVERAGE(D24:D34) 17.61 7.8 -AVERAGE(G24:G34) 7.74 1841 18.05 -AVERAGE(D25:D35) 17.58 7.69 -AVERAGE(G25:G35) 7.67 1842 18.01 -AVERAGE(D26:D36) 17.62 8.02 -AVERAGE(G26:G36) 7.70 1843 17.95 -AVERAGE(D29:D3	1832	17.08	=AVERAGE(D16:D26)	18.05	7.45	=AVERAGE(G16:G26)	8.16
1834 17.79 -AVERAGE(D18:D29) 17.93 7.39 -AVERAGE(G19:G29) 8.08 1835 17.33 -AVERAGE(D20:D30) 17.90 7.7 -AVERAGE(G20:G30) 8.01 1836 17.77 -AVERAGE(D20:D31) 17.85 7.38 -AVERAGE(G21:G31) 7.92 1838 17.26 -AVERAGE(D22:D32) 17.71 7.51 -AVERAGE(G22:G32) 7.81 1839 17.53 -AVERAGE(D23:D33) 17.66 7.63 -AVERAGE(G23:G33) 7.76 1840 17.57 -AVERAGE(D24:D34) 17.61 7.8 -AVERAGE(G24:G34) 7.74 1841 18.05 -AVERAGE(D25:D35) 17.58 7.69 -AVERAGE(G25:G35) 7.67 1842 18.01 -AVERAGE(D26:D36) 17.62 8.02 -AVERAGE(G26:G36) 7.70 1843 17.95 -AVERAGE(D27:D37) 17.70 8.17 -AVERAGE(G27:G37) 7.77 1844 17.81 -AVERAGE(D28:D38) 17.68 7.65 -AVERAGE(G28:G38) 7.74 1845	1833	17.93	=AVERAGE(D17:D27)	18.08	8.01	=AVERAGE(G17:G27)	8.14
1835 17.33 =AVERAGE(D19.D29) 7.39 =AVERAGE(B19.G29) 1836 17.77 =AVERAGE(D20:D30) 17.90 7.7 =AVERAGE(G20:G30) 8.01 1837 17.46 =AVERAGE(D21:D31) 17.85 7.38 =AVERAGE(G21:G31) 7.92 1838 17.26 =AVERAGE(D22:D32) 17.71 7.51 =AVERAGE(G22:G32) 7.81 1839 17.53 =AVERAGE(D23:D33) 17.66 7.63 =AVERAGE(G23:G33) 7.76 1840 17.57 =AVERAGE(D24:D34) 17.61 7.8 =AVERAGE(G24:G34) 7.74 1841 18.05 =AVERAGE(D25:D35) 17.58 7.69 =AVERAGE(G25:G35) 7.67 1842 18.01 =AVERAGE(D26:D36) 17.62 8.02 =AVERAGE(G26:G36) 7.70 1843 17.95 =AVERAGE(D27:D37) 17.70 8.17 =AVERAGE(G27:G37) 7.77 1844 17.81 =AVERAGE(D28:D38) 17.68 7.65 =AVERAGE(G28:G38) 7.74 1845 18.02 =AVERAGE(D29:D39) 17.71 7.85 =AVERAGE(G29:G39) 7.71	1834	17.79	=AVERAGE(D18:D28)	18.06	8.15	=AVERAGE(G18:G28)	8.18
1836 17.77 -AVERAGE(D21:D30) 7.7 -AVERAGE(G20:G30) 1837 17.46 =AVERAGE(D21:D31) 17.85 7.38 =AVERAGE(G21:G31) 7.92 1838 17.26 =AVERAGE(D22:D32) 17.71 7.51 =AVERAGE(G22:G32) 7.81 1839 17.53 =AVERAGE(D23:D33) 17.66 7.63 =AVERAGE(G23:G33) 7.76 1840 17.57 =AVERAGE(D24:D34) 17.61 7.8 =AVERAGE(G24:G34) 7.74 1841 18.05 =AVERAGE(D25:D35) 17.58 7.69 =AVERAGE(G25:G35) 7.67 1842 18.01 =AVERAGE(D26:D36) 17.62 8.02 =AVERAGE(G26:G36) 7.70 1843 17.95 =AVERAGE(D27:D37) 17.70 8.17 =AVERAGE(G27:G37) 7.77 1844 17.81 =AVERAGE(D28:D38) 17.68 7.65 =AVERAGE(G28:G38) 7.74 1845 18.02 =AVERAGE(D29:D39) 17.71 7.85 =AVERAGE(G29:G39) 7.71	1835	17.33	=AVERAGE(D19:D29)	17.93	7.39	=AVERAGE(G19:G29)	8.08
1837 17.46 =AVERAGE(D21:D31) 7.36 =AVERAGE(Q21:G31) 1838 17.26 =AVERAGE(D22:D32) 17.71 7.51 =AVERAGE(G22:G32) 7.81 1839 17.53 =AVERAGE(D23:D33) 17.66 7.63 =AVERAGE(G23:G33) 7.76 1840 17.57 =AVERAGE(D24:D34) 17.61 7.8 =AVERAGE(G24:G34) 7.74 1841 18.05 =AVERAGE(D25:D35) 17.58 7.69 =AVERAGE(G25:G35) 7.67 1842 18.01 =AVERAGE(D26:D36) 17.62 8.02 =AVERAGE(G26:G36) 7.70 1843 17.95 =AVERAGE(D27:D37) 17.70 8.17 =AVERAGE(G27:G37) 7.77 1844 17.81 =AVERAGE(D28:D38) 17.68 7.65 =AVERAGE(G28:G38) 7.74 1845 18.02 =AVERAGE(D29:D39) 17.71 7.85 =AVERAGE(G29:G39) 7.71	1836	17.77	=AVERAGE(D20:D30)	17.90	7.7	=AVERAGE(G20:G30)	8.01
1838 17.26 -AVERAGE(D22.D32) 7.31 -AVERAGE(G22.G32) 1839 17.53 =AVERAGE(D23:D33) 17.66 7.63 =AVERAGE(G23:G33) 7.76 1840 17.57 =AVERAGE(D24:D34) 17.61 7.8 =AVERAGE(G24:G34) 7.74 1841 18.05 =AVERAGE(D25:D35) 17.58 7.69 =AVERAGE(G25:G35) 7.67 1842 18.01 =AVERAGE(D26:D36) 17.62 8.02 =AVERAGE(G26:G36) 7.70 1843 17.95 =AVERAGE(D27:D37) 17.70 8.17 =AVERAGE(G27:G37) 7.77 1844 17.81 =AVERAGE(D28:D38) 17.68 7.65 =AVERAGE(G28:G38) 7.74 1845 18.02 =AVERAGE(D29:D39) 17.71 7.85 =AVERAGE(G29:G39) 7.71	1837	17.46	=AVERAGE(D21:D31)	17.85	7.38	=AVERAGE(G21:G31)	7.92
1840 17.57 = AVERAGE(D24:D34) 17.61 7.8 = AVERAGE(G24:G34) 7.74 1841 18.05 = AVERAGE(D25:D35) 17.58 7.69 = AVERAGE(G25:G35) 7.67 1842 18.01 = AVERAGE(D26:D36) 17.62 8.02 = AVERAGE(G26:G36) 7.70 1843 17.95 = AVERAGE(D27:D37) 17.70 8.17 = AVERAGE(G27:G37) 7.77 1844 17.81 = AVERAGE(D28:D38) 17.68 7.65 = AVERAGE(G28:G38) 7.74 1845 18.02 = AVERAGE(D29:D39) 17.71 7.85 = AVERAGE(G29:G39) 7.71	1838	17.26	=AVERAGE(D22:D32)	17.71	7.51	=AVERAGE(G22:G32)	7.81
1840 17.57 =AVERAGE(D24:D34) 7.8 =AVERAGE(G24:G34) 1841 18.05 =AVERAGE(D25:D35) 17.58 7.69 =AVERAGE(G25:G35) 7.67 1842 18.01 =AVERAGE(D26:D36) 17.62 8.02 =AVERAGE(G26:G36) 7.70 1843 17.95 =AVERAGE(D27:D37) 17.70 8.17 =AVERAGE(G27:G37) 7.77 1844 17.81 =AVERAGE(D28:D38) 17.68 7.65 =AVERAGE(G28:G38) 7.74 1845 18.02 =AVERAGE(D29:D39) 17.71 7.85 =AVERAGE(G29:G39) 7.71	1839	17.53	=AVERAGE(D23:D33)	17.66	7.63	=AVERAGE(G23:G33)	7.76
1841 16.03 -AVERAGE(D23.D33) 7.69 -AVERAGE(G23.G33) 1842 18.01 =AVERAGE(D26:D36) 17.62 8.02 =AVERAGE(G26:G36) 7.70 1843 17.95 =AVERAGE(D27:D37) 17.70 8.17 =AVERAGE(G27:G37) 7.77 1844 17.81 =AVERAGE(D28:D38) 17.68 7.65 =AVERAGE(G28:G38) 7.74 1845 18.02 =AVERAGE(D29:D39) 17.71 7.85 =AVERAGE(G29:G39) 7.71	1840	17.57	=AVERAGE(D24:D34)	17.61	7.8	=AVERAGE(G24:G34)	7.74
1842 16.01 -AVERAGE(D26.D36) 8.02 -AVERAGE(G26.G36) 7.77 1843 17.95 =AVERAGE(D27:D37) 17.70 8.17 =AVERAGE(G27:G37) 7.77 1844 17.81 =AVERAGE(D28:D38) 17.68 7.65 =AVERAGE(G28:G38) 7.74 1845 18.02 =AVERAGE(D29:D39) 17.71 7.85 =AVERAGE(G29:G39) 7.71	1841	18.05	=AVERAGE(D25:D35)	17.58	7.69	=AVERAGE(G25:G35)	7.67
1845 17.95 -AVERAGE(D27.D37) 8.17 -AVERAGE(G27.G37) 1844 17.81 =AVERAGE(D28:D38) 17.68 7.65 =AVERAGE(G28:G38) 7.74 1845 18.02 =AVERAGE(D29:D39) 17.71 7.85 =AVERAGE(G29:G39) 7.71	1842	18.01	=AVERAGE(D26:D36)	17.62	8.02	=AVERAGE(G26:G36)	7.70
1845 18.02 =AVERAGE(D29:D39) 17.71 7.85 =AVERAGE(G29:G39) 7.71	1843	17.95	=AVERAGE(D27:D37)	17.70	8.17	=AVERAGE(G27:G37)	7.77
1645 16.02 -AVENAGE(D23.D39) 7.65 -AVENAGE(G23.G39)	1844	17.81	=AVERAGE(D28:D38)	17.68	7.65	=AVERAGE(G28:G38)	7.74
1846 18.69 =AVERAGE(D30;D40) 17.83 8.55 =AVERAGE(G30;G40) 7.81	1845	18.02	=AVERAGE(D29:D39)	17.71	7.85	=AVERAGE(G29:G39)	7.71
25.55	1846	18.69	=AVERAGE(D30:D40)	17.83	8.55	=AVERAGE(G30:G40)	7.81

1847	18.22	=AVERAGE(D31:D41)	17.87	8.09	=AVERAGE(G31:G41)	7.85
1848	18.12	=AVERAGE(D32:D42)	17.93	7.98	=AVERAGE(G32:G42)	7.90
1849	18.14	=AVERAGE(D33:D43)	18.01	7.98	=AVERAGE(G33:G43)	7.95
1850	17.56	=AVERAGE(D34:D44)	18.01	7.9	=AVERAGE(G34:G44)	7.97
1851	18.46	=AVERAGE(D35:D45)	18.09	8.18	=AVERAGE(G35:G45)	8.01
1852	18.24	=AVERAGE(D36:D46)	18.11	8.1	=AVERAGE(G36:G46)	8.04
1853	18.75	=AVERAGE(D37:D47)	18.18	8.04	=AVERAGE(G37:G47)	8.04
1854	17.79	=AVERAGE(D38:D48)	18.16	8.21	=AVERAGE(G38:G48)	8.05
1855	18.21	=AVERAGE(D39:D49)	18.20	8.11	=AVERAGE(G39:G49)	8.09
1856	17.71	=AVERAGE(D40:D50)	18.17	8	=AVERAGE(G40:G50)	8.10
1857	17.38	=AVERAGE(D41:D51)	18.05	7.76	=AVERAGE(G41:G51)	8.03
1858	18.03	=AVERAGE(D42:D52)	18.04	8.1	=AVERAGE(G42:G52)	8.03
1859	18.2	=AVERAGE(D43:D53)	18.04	8.25	=AVERAGE(G43:G53)	8.06
1860	18.59	=AVERAGE(D44:D54)	18.08	7.96	=AVERAGE(G44:G54)	8.06
1861	17.03	=AVERAGE(D45:D55)	18.04	7.85	=AVERAGE(G45:G55)	8.05
1862	17	=AVERAGE(D46:D56)	17.90	7.56	=AVERAGE(G46:G56)	7.99
1863	17.55	=AVERAGE(D47:D57)	17.84	8.11	=AVERAGE(G47:G57)	8.00
1864	18.32	=AVERAGE(D48:D58)	17.80	7.98	=AVERAGE(G48:G58)	7.99
1865	18.66	=AVERAGE(D49:D59)	17.88	8.18	=AVERAGE(G49:G59)	7.99
1866	18.48	=AVERAGE(D50:D60)	17.90	8.29	=AVERAGE(G50:G60)	8.00
1867	18.49	=AVERAGE(D51:D61)	17.98	8.44	=AVERAGE(G51:G61)	8.04
1868	18.02	=AVERAGE(D52:D62)	18.03	8.25	=AVERAGE(G52:G62)	8.09
1869	18.65	=AVERAGE(D53:D63)	18.09	8.43	=AVERAGE(G53:G63)	8.12
1870	18.37	=AVERAGE(D54:D64)	18.11	8.2	=AVERAGE(G54:G64)	8.11
1871	17.6	=AVERAGE(D55:D65)	18.02	8.12	=AVERAGE(G55:G65)	8.13
1872	18.38	=AVERAGE(D56:D66)	18.14	8.19	=AVERAGE(G56:G66)	8.16
1873	18.73	=AVERAGE(D57:D67)	18.30	8.35	=AVERAGE(G57:G67)	8.23
1874	17.92	=AVERAGE(D58:D68)	18.33	8.43	=AVERAGE(G58:G68)	8.26
1875	16.97	=AVERAGE(D59:D69)	18.21	7.86	=AVERAGE(G59:G69)	8.25

1876							
1878 18.76AVERAGE(062:D72) 18.25 8.83AVERAGE(661:G71) 8.20 18.79 19.05AVERAGE(062:D72) 18.34 8.17AVERAGE(63:G73) 8.29 18.80 17.82AVERAGE(064:D74) 18.27 8.12AVERAGE(63:G73) 8.27 18.81 18.42AVERAGE(064:D74) 18.27 8.12AVERAGE(63:G73) 8.27 18.82 17.66AVERAGE(065:D75) 18.27 8.27AVERAGE(664:G74) 8.26 18.83 18.15AVERAGE(066:D76) 18.28 8.13AVERAGE(G65:G75) 8.27 18.83 18.15AVERAGE(066:D76) 18.26 7.98AVERAGE(G65:G76) 8.27 18.83 18.15AVERAGE(D67:D77) 18.26 7.98AVERAGE(G65:G76) 8.27 18.84 17.67AVERAGE(D69:D79) 18.22 7.92AVERAGE(G65:G78) 8.20 18.85 18.56AVERAGE(D69:D79) 18.22 7.92AVERAGE(G65:G79) 8.15 18.86 17.89AVERAGE(D69:D79) 18.30 7.95AVERAGE(G76:G79) 8.15 18.87 18.48AVERAGE(D71:D81) 18.30 7.91AVERAGE(G76:G79) 8.16 18.88 18.4AVERAGE(D71:D81) 18.30 7.91AVERAGE(G76:G80) 8.16 18.89 18.59AVERAGE(D72:D82) 18.26 8.09AVERAGE(G76:G82) 8.10 18.89 18.59AVERAGE(D73:D83) 18.24 8.32AVERAGE(G76:G83) 8.06 18.29 18.40AVERAGE(D75:D85) 18.23 8.02AVERAGE(G76:G85) 8.03 18.91 18.34AVERAGE(D75:D85) 18.23 8.02AVERAGE(G76:G86) 8.01 18.91 18.34AVERAGE(D75:D85) 18.23 8.02AVERAGE(G76:G86) 8.01 18.91 17.91AVERAGE(D77:D87) 18.27 8.06AVERAGE(G76:G86) 8.01 18.99 17.93AVERAGE(D79:D89) 18.25 8.15AVERAGE(G76:G86) 8.01 18.99 17.93AVERAGE(D80:D90) 18.21 8.21AVERAGE(G76:G86) 8.02 18.99 17.93AVERAGE(G80:D90) 18.21 8.21AVERAGE(G80:G90) 8.08 18.99 18.26AVERAGE(G80:D90) 18.21 8.22AVERAGE(G80:G90) 8.08 18.99 18.26AVERAGE(G80:G90) 8.08 18.99 18.26AVERAGE(G80:G90) 8.08	1876	18.46	=AVERAGE(D60:D70)	18.19	8.08	=AVERAGE(G60:G70)	8.24
1879 19.05	1877	18.87	=AVERAGE(D61:D71)	18.22	8.54	=AVERAGE(G61:G71)	8.26
1880 17.82 = AVERAGE(D64:D74) 18.27 8.12 = AVERAGE(G64:G74) 8.26 18.81 18.42 = AVERAGE(D65:D75) 18.27 8.27 = AVERAGE(G65:G75) 8.27 18.82 17.66 = AVERAGE(D65:D75) 18.28 8.13 = AVERAGE(G66:G76) 8.27 18.83 18.15 = AVERAGE(D66:D76) 18.26 7.98 -AVERAGE(G66:G76) 8.27 18.84 17.67 = AVERAGE(D66:D78) 18.16 7.77 = AVERAGE(G66:G76) 8.20 18.85 18.56 = AVERAGE(D66:D78) 18.16 7.77 = AVERAGE(G68:G78) 8.20 18.85 18.56 = AVERAGE(D69:D79) 18.22 7.92 = AVERAGE(G69:G79) 8.15 18.86 17.89 -AVERAGE(D69:D79) 18.30 7.95 -AVERAGE(G69:G79) 8.15 18.87 18.48 -AVERAGE(D71:D81) 18.30 7.91 -AVERAGE(G71:G81) 8.14 18.88 18.4 -AVERAGE(D71:D81) 18.30 7.91 -AVERAGE(G71:G81) 8.14 18.89 18.59 -AVERAGE(D72:D82) 18.26 8.09 -AVERAGE(G71:G81) 8.00 18.89 18.34 -AVERAGE(D72:D82) 18.24 8.32 -AVERAGE(G73:G83) 8.06 18.91 18.34 -AVERAGE(D73:D83) 18.24 8.32 -AVERAGE(G73:G83) 8.06 18.91 18.34 -AVERAGE(D75:D85) 18.23 8.02 -AVERAGE(G73:G83) 8.04 18.91 18.34 -AVERAGE(D75:D85) 18.23 8.02 -AVERAGE(G73:G83) 8.01 18.91 18.34 -AVERAGE(D75:D85) 18.23 8.02 -AVERAGE(G77:G85) 8.03 18.92 18.6 -AVERAGE(D75:D85) 18.27 8.06 -AVERAGE(G77:G87) 8.01 18.93 17.91 -AVERAGE(D75:D85) 18.27 8.06 -AVERAGE(G77:G87) 8.01 18.93 17.91 -AVERAGE(D75:D89) 18.27 8.06 -AVERAGE(G77:G87) 8.01 18.94 17.55 -AVERAGE(D75:D89) 18.25 8.15 -AVERAGE(G77:G87) 8.01 18.99 18.18 -AVERAGE(D75:D89) 18.25 8.15 -AVERAGE(G77:G89) 8.06 18.99 17.99 -AVERAGE(D75:D89) 18.25 8.15 -AVERAGE(G77:G89) 8.06 18.99 18.26 -AVERAGE(D85:D99) 18.21 8.21 -AVERAGE(G83:G99) 8.08 18.99 18.26 -AVERAGE(D85:D99) 18.21 8.21 -AVERAGE(G83:G99) 8.08 18.99 18.26 -AVERAGE(D85:D99) 18.13 8.4 -AVERAGE(G83:G99) 8.08 18.99 18.26 -AVERAGE(D85:D99) 18.13 8.4 -AVERAGE(G83:G99) 8.08 18.99 18.26 -AVERAGE(D85:D99) 18.13 8.4 -AVERAGE(G83:G99) 8.08 18.19 -AVERAGE(G83:G99) 8.20 -AVERAGE(G83:G99) 8.20 -AVERAGE(G83:G99) 8.20 -AVERAGE(G83:G99) 8.20 -AVERAGE(G	1878	18.76	=AVERAGE(D62:D72)	18.25	8.83	=AVERAGE(G62:G72)	8.30
1881 18.42 = AVERAGE(D65:D75) 18.27 8.27 = AVERAGE(G65:G75) 8.27 1882 17.66 = AVERAGE(D66:D76) 18.28 8.13 = AVERAGE(G66:G76) 8.27 1883 18.15 = AVERAGE(D66:D76) 18.26 7.98 = AVERAGE(G66:G76) 8.27 1884 17.67 = AVERAGE(D66:D78) 18.16 7.77 = AVERAGE(G66:G76) 8.20 1885 18.56 = AVERAGE(D66:D78) 18.16 7.77 = AVERAGE(G68:G78) 8.20 1885 18.56 = AVERAGE(D69:D79) 18.22 7.92 = AVERAGE(G69:G79) 8.15 1886 17.89 = AVERAGE(D70:D80) 18.30 7.95 = AVERAGE(G70:G80) 8.16 1887 18.48 = AVERAGE(D70:D80) 18.30 7.91 = AVERAGE(G70:G80) 8.16 1888 18.4 = AVERAGE(D70:D81) 18.30 7.91 = AVERAGE(G71:G81) 8.14 1888 18.4 = AVERAGE(D70:D82) 18.26 8.09 = AVERAGE(G71:G81) 8.10 1889 18.59 = AVERAGE(D71:D81) 18.24 8.32 = AVERAGE(G71:G82) 8.00 18.4 = AVERAGE(D71:D81) 18.19 7.97 = AVERAGE(G71:G82) 8.00 18.91 18.34 = AVERAGE(D71:D81) 18.23 8.02 = AVERAGE(G71:G82) 8.03 18.92 18.6 = AVERAGE(D71:D81) 18.25 8.07 = AVERAGE(G71:G81) 8.03 18.92 18.6 = AVERAGE(D71:D81) 18.27 8.06 = AVERAGE(G71:G81) 8.01 18.93 17.91 = AVERAGE(D71:D87) 18.27 8.06 = AVERAGE(G71:G87) 8.01 18.94 17.55 = AVERAGE(D71:D87) 18.27 8.06 = AVERAGE(G71:G88) 8.02 18.95 17.99 = AVERAGE(D71:D89) 18.25 8.16 = AVERAGE(G71:G88) 8.02 18.95 17.99 = AVERAGE(D71:D89) 18.25 8.16 = AVERAGE(G71:G89) 8.06 18.95 17.99 = AVERAGE(D71:D89) 18.21 8.21 = AVERAGE(G81:G91) 8.11 18.98 18.11 = AVERAGE(D81:D91) 18.18 8.29 = AVERAGE(G81:G91) 8.11 18.99 18.26 = AVERAGE(D81:D91) 18.18 8.29 = AVERAGE(G81:G91) 8.11 18.99 18.26 = AVERAGE(D81:D91) 18.13 8.4 = AVERAGE(G81:G91) 8.11 18.99 18.26 = AVERAGE(D81:D91) 18.13 8.4 = AVERAGE(G81:G91) 8.11 18.99 18.26 = AVERAGE(D81:D91) 18.14 8.5 = AVERAGE(G81:G91) 8.17 19.00 18.62 = AVERAGE(D81:D91) 18.14 8.5 = AVERAGE(G81:G91) 8.13 19.00 18.62 = AVERAGE(D81:D91) 18.14 8.5 = AVERAGE(G81:G91) 8.17 19.00 18.62 = AVERAGE(D81:D91) 18.13 8.4 = AVERAGE(G81:G91) 8.13 19.00 18.62 = AVERAGE(D81:D91) 18.14 8.5 = AVERAGE(G81:G91) 8.15 19.00 18.7 = AVERAGE(D81:D91) 18.14 8.5 = AVERAGE(G81:G91) 8.25 18.20 18.20 18.20 AVERAGE(G81:G91) 8.20 18.20 18.20 AVERAGE(G81:G91) 8.20 18.20 AVERAGE(G81:G91)	1879	19.05	=AVERAGE(D63:D73)	18.34	8.17	=AVERAGE(G63:G73)	8.29
1882 17.66	1880	17.82	=AVERAGE(D64:D74)	18.27	8.12	=AVERAGE(G64:G74)	8.26
1882 18.15 = AVERAGE(D67:D77) 18.26 7.98 = AVERAGE(G67:G77) 8.25 1884 17.67 = AVERAGE(D68:D78) 18.16 7.77 = AVERAGE(G68:G78) 8.20 1885 18.56 = AVERAGE(D69:D79) 18.22 7.92 = AVERAGE(G69:G79) 8.15 1886 17.89 = AVERAGE(D70:D80) 18.30 7.95 = AVERAGE(G69:G79) 8.16 1887 18.48 = AVERAGE(D71:D81) 18.30 7.91 = AVERAGE(G71:G81) 8.14 1888 18.4 = AVERAGE(D72:D82) 18.26 8.09 = AVERAGE(G72:G82) 8.10 1889 18.59 = AVERAGE(D72:D82) 18.24 8.32 = AVERAGE(G73:G83) 8.06 1890 18.4 = AVERAGE(D74:D84) 18.19 7.97 = AVERAGE(G73:G83) 8.06 1890 18.4 = AVERAGE(D74:D84) 18.19 7.97 = AVERAGE(G74:G84) 8.04 1891 18.34 = AVERAGE(D75:D85) 18.23 8.02 = AVERAGE(G75:G85) 8.03 1892 18.6 = AVERAGE(D76:D86) 18.25 8.07 = AVERAGE(G76:G86) 8.01 1893 17.91 = AVERAGE(D77:D87) 18.27 8.06 = AVERAGE(G76:G86) 8.01 1894 17.55 = AVERAGE(D76:D88) 18.22 8.16 = AVERAGE(G76:G88) 8.02 1895 17.99 = AVERAGE(D76:D89) 18.25 8.15 = AVERAGE(G76:G88) 8.02 1896 18.18 = AVERAGE(D76:D89) 18.25 8.15 = AVERAGE(G76:G89) 8.06 1897 17.53 = AVERAGE(D76:D89) 18.21 8.21 = AVERAGE(G76:G89) 8.08 1897 17.53 = AVERAGE(D81:D91) 18.18 8.29 = AVERAGE(G81:G91) 8.11 1898 18.11 = AVERAGE(D81:D91) 18.18 8.29 = AVERAGE(G81:G91) 8.11 1899 18.26 = AVERAGE(D82:D92) 18.15 8.18 = AVERAGE(G83:G93) 8.17 1900 18.62 = AVERAGE(D81:D91) 18.18 8.29 = AVERAGE(G83:G93) 8.17 1900 18.62 = AVERAGE(D81:D91) 18.18 8.29 = AVERAGE(G83:G93) 8.17 1900 18.62 = AVERAGE(D81:D91) 18.18 8.29 = AVERAGE(G83:G93) 8.17 1900 18.62 = AVERAGE(D81:D91) 18.18 8.29 = AVERAGE(G83:G93) 8.17 1900 18.62 = AVERAGE(D81:D91) 18.18 8.29 = AVERAGE(G83:G93) 8.17 1900 18.62 = AVERAGE(D81:D95) 18.20 8.54 = AVERAGE(G83:G95) 8.23 1901 19.08 = AVERAGE(D81:D95) 18.20 8.54 = AVERAGE(G83:G95) 8.23 1901 19.08 = AVERAGE(D81:D95) 18.20 8.54 = AVERAGE(G83:G95) 8.23 1902 18.7 4 AVERAGE(D81:D97) 18.17 8.21 8.21 = AVERAGE(G83:G95) 8.23 1902 18.7 4 AVERAGE(D81:D97) 18.17 8.21 8.21 4 AVERAGE(G83:G95) 8.23 1902 18.7 4 AVERAGE(D81:D97) 18.20 8.54 4 AVERAGE(G83:G95) 8.23 1902 18.7 4 AVERAGE(D81:D97) 18.20 8.54 4 AVERAGE(G85:G95) 8.23 1902 18.7 4 AVERAGE(D81:D97)	1881	18.42	=AVERAGE(D65:D75)	18.27	8.27	=AVERAGE(G65:G75)	8.27
1885 18.15	1882	17.66	=AVERAGE(D66:D76)	18.28	8.13	=AVERAGE(G66:G76)	8.27
1885 18.56 =AVERAGE(D69:D79) 18.22 7.92 =AVERAGE(G69:G79) 8.15 1886 17.89 =AVERAGE(D70:D80) 18.30 7.95 =AVERAGE(G70:G80) 8.16 1887 18.48 =AVERAGE(D71:D81) 18.30 7.91 =AVERAGE(G71:G81) 8.14 1888 18.4 =AVERAGE(D72:D82) 18.26 8.09 =AVERAGE(G72:G82) 8.10 1889 18.59 =AVERAGE(D73:D83) 18.24 8.32 =AVERAGE(G73:G83) 8.06 1890 18.4 =AVERAGE(D74:D84) 18.19 7.97 =AVERAGE(G73:G83) 8.06 1891 18.34 =AVERAGE(D75:D85) 18.23 8.02 =AVERAGE(G75:G85) 8.03 1892 18.6 =AVERAGE(D75:D85) 18.25 8.07 =AVERAGE(G76:G86) 8.01 1893 17.91 =AVERAGE(D75:D87) 18.27 8.06 =AVERAGE(G76:G86) 8.01 1894 17.55 =AVERAGE(D78:D88) 18.22 8.16 =AVERAGE(G76:G88) 8.02 1895 17.99 =AVERAGE(D79:D89) 18.25 8.15 =AVERAGE(G79:G89) 8.06 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G80:G90) 8.08 1899 18.26 =AVERAGE(D81:D91) 18.15 8.18 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D81:D94) 18.14 8.5 =AVERAGE(G83:G93) 8.17 1901 19.08 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.23 1902 18.7 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.23 1903 17.93 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.23 1903 17.93 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G97) 8.27	1883	18.15	=AVERAGE(D67:D77)	18.26	7.98	=AVERAGE(G67:G77)	8.25
1836 17.89 =AVERAGE(D70:D80) 18.30 7.95 =AVERAGE(G70:G80) 8.16 1887 18.48 =AVERAGE(D71:D81) 18.30 7.91 =AVERAGE(G71:G81) 8.14 1888 18.4 =AVERAGE(D72:D82) 18.26 8.09 =AVERAGE(G72:G82) 8.10 1889 18.59 =AVERAGE(D73:D83) 18.24 8.32 =AVERAGE(G73:G83) 8.06 1890 18.4 =AVERAGE(D74:D84) 18.19 7.97 =AVERAGE(G73:G83) 8.04 1891 18.34 =AVERAGE(D75:D85) 18.23 8.02 =AVERAGE(G74:G84) 8.03 1892 18.6 =AVERAGE(D76:D86) 18.25 8.07 =AVERAGE(G75:G85) 8.03 1893 17.91 =AVERAGE(D76:D86) 18.27 8.06 =AVERAGE(G77:G87) 8.01 1894 17.55 =AVERAGE(D78:D88) 18.22 8.16 =AVERAGE(G77:G87) 8.01 1895 17.99 =AVERAGE(D78:D89) 18.25 8.15 =AVERAGE(G78:G89) 8.06 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G76:G89) 8.08 1897 17.53 =AVERAGE(D80:D90) 18.18 8.29 =AVERAGE(G80:G90) 8.14 1899 18.26 =AVERAGE(D80:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1899 18.26 =AVERAGE(D80:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D80:D95) 18.20 8.54 =AVERAGE(G85:G95) 8.23 1902 18.7 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.26 1903 17.93 =AVERAGE(D86:D96) 18.27 =AVERAGE(G87:G97) 8.27	1884	17.67	=AVERAGE(D68:D78)	18.16	7.77	=AVERAGE(G68:G78)	8.20
18.80 17.93	1885	18.56	=AVERAGE(D69:D79)	18.22	7.92	=AVERAGE(G69:G79)	8.15
1887 18.46 =AVERAGE(D71:D81) 7.91 =AVERAGE(G71:G81) 1888 18.4 =AVERAGE(D72:D82) 18.26 8.09 =AVERAGE(G72:G82) 8.10 1889 18.59 =AVERAGE(D73:D83) 18.24 8.32 =AVERAGE(G73:G83) 8.06 1890 18.4 =AVERAGE(D74:D84) 18.19 7.97 =AVERAGE(G74:G84) 8.04 1891 18.34 =AVERAGE(D75:D85) 18.23 8.02 =AVERAGE(G75:G85) 8.03 1892 18.6 =AVERAGE(D76:D86) 18.25 8.07 =AVERAGE(G76:G86) 8.01 1893 17.91 =AVERAGE(D77:D87) 18.27 8.06 =AVERAGE(G77:G87) 8.01 1894 17.55 =AVERAGE(D78:D88) 18.22 8.16 =AVERAGE(G78:G88) 8.02 1895 17.99 =AVERAGE(D80:D90) 18.25 8.15 =AVERAGE(G79:G89) 8.06 1896 18.18 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92	1886	17.89	=AVERAGE(D70:D80)	18.30	7.95	=AVERAGE(G70:G80)	8.16
1889 18.59 =AVERAGE(D73:D83) 18.24 8.32 =AVERAGE(G73:G83) 8.06 1890 18.4 =AVERAGE(D74:D84) 18.19 7.97 =AVERAGE(G74:G84) 8.04 1891 18.34 =AVERAGE(D75:D85) 18.23 8.02 =AVERAGE(G75:G85) 8.03 1892 18.6 =AVERAGE(D76:D86) 18.25 8.07 =AVERAGE(G76:G86) 8.01 1893 17.91 =AVERAGE(D77:D87) 18.27 8.06 =AVERAGE(G77:G87) 8.01 1894 17.55 =AVERAGE(D78:D88) 18.22 8.16 =AVERAGE(G78:G88) 8.02 1895 17.99 =AVERAGE(D79:D89) 18.25 8.15 =AVERAGE(G79:G89) 8.06 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G80:G90) 8.08 1897 17.53 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93)	1887	18.48	=AVERAGE(D71:D81)	18.30	7.91	=AVERAGE(G71:G81)	8.14
1890 18.4 =AVERAGE(D74:D84) 18.19 7.97 =AVERAGE(G74:G84) 8.04 1891 18.34 =AVERAGE(D75:D85) 18.23 8.02 =AVERAGE(G75:G85) 8.03 1892 18.6 =AVERAGE(D76:D86) 18.25 8.07 =AVERAGE(G76:G86) 8.01 1893 17.91 =AVERAGE(D77:D87) 18.27 8.06 =AVERAGE(G77:G87) 8.01 1894 17.55 =AVERAGE(D78:D88) 18.22 8.16 =AVERAGE(G78:G88) 8.02 1895 17.99 =AVERAGE(D79:D89) 18.25 8.15 =AVERAGE(G79:G89) 8.06 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G80:G90) 8.08 1897 17.53 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D86:D94) 18.14 8.5 =AVERAGE(G84:G94) 8	1888	18.4	=AVERAGE(D72:D82)	18.26	8.09	=AVERAGE(G72:G82)	8.10
1890 18.4 =AVERAGE(074:054) 7.97 =AVERAGE(074:054) 1891 18.34 =AVERAGE(D75:D85) 18.23 8.02 =AVERAGE(G75:G85) 8.03 1892 18.6 =AVERAGE(D76:D86) 18.25 8.07 =AVERAGE(G76:G86) 8.01 1893 17.91 =AVERAGE(D77:D87) 18.27 8.06 =AVERAGE(G77:G87) 8.01 1894 17.55 =AVERAGE(D78:D88) 18.22 8.16 =AVERAGE(G78:G88) 8.02 1895 17.99 =AVERAGE(D79:D89) 18.25 8.15 =AVERAGE(G79:G89) 8.06 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G80:G90) 8.08 1897 17.53 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D84:D94) 18.14 8.5 =AVERAGE(G84:G94) 8.18 190	1889	18.59	=AVERAGE(D73:D83)	18.24	8.32	=AVERAGE(G73:G83)	8.06
1891 18.34 -AVERAGE(D75.D85) 8.02 -AVERAGE(G75.G85) 8.01 1892 18.6 =AVERAGE(D76:D86) 18.25 8.07 =AVERAGE(G76:G86) 8.01 1893 17.91 =AVERAGE(D77:D87) 18.27 8.06 =AVERAGE(G77:G87) 8.01 1894 17.55 =AVERAGE(D78:D88) 18.22 8.16 =AVERAGE(G78:G88) 8.02 1895 17.99 =AVERAGE(D79:D89) 18.25 8.15 =AVERAGE(G79:G89) 8.06 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G80:G90) 8.08 1897 17.53 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D84:D94) 18.14 8.5 =AVERAGE(G84:G94) 8.18 1901 19.08 =AVERAGE(D85:D95) 18.20 8.54 =AVERAGE(G85:G95) 8.23	1890	18.4	=AVERAGE(D74:D84)	18.19	7.97	=AVERAGE(G74:G84)	8.04
1893 17.91 =AVERAGE(D77:D87) 18.27 8.06 =AVERAGE(G77:G87) 8.01 1894 17.55 =AVERAGE(D78:D88) 18.22 8.16 =AVERAGE(G78:G88) 8.02 1895 17.99 =AVERAGE(D79:D89) 18.25 8.15 =AVERAGE(G79:G89) 8.06 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G80:G90) 8.08 1897 17.53 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D84:D94) 18.14 8.5 =AVERAGE(G84:G94) 8.18 1901 19.08 =AVERAGE(D85:D95) 18.20 8.54 =AVERAGE(G85:G95) 8.23 1902 18.7 =AVERAGE(D86:D96) 18.17 8.22 =AVERAGE(G87:G97) 8.27	1891	18.34	=AVERAGE(D75:D85)	18.23	8.02	=AVERAGE(G75:G85)	8.03
1894 17.55 =AVERAGE(D78:D88) 18.22 8.16 =AVERAGE(G78:G88) 8.02 1895 17.99 =AVERAGE(D79:D89) 18.25 8.15 =AVERAGE(G79:G89) 8.06 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G80:G90) 8.08 1897 17.53 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D84:D94) 18.14 8.5 =AVERAGE(G84:G94) 8.18 1901 19.08 =AVERAGE(D85:D95) 18.20 8.54 =AVERAGE(G85:G95) 8.23 1902 18.7 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.26 1903 17.93 =AVERAGE(D87:D97) 18.17 8.22 =AVERAGE(G87:G97) 8.27	1892	18.6	=AVERAGE(D76:D86)	18.25	8.07	=AVERAGE(G76:G86)	8.01
1895 17.99 =AVERAGE(D78:D89) 18.25 8.15 =AVERAGE(G79:G89) 8.06 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G80:G90) 8.08 1897 17.53 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D84:D94) 18.14 8.5 =AVERAGE(G84:G94) 8.18 1901 19.08 =AVERAGE(D85:D95) 18.20 8.54 =AVERAGE(G85:G95) 8.23 1902 18.7 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.26 1903 17.93 =AVERAGE(D87:D97) 18.17 8.22 =AVERAGE(G87:G97) 8.28	1893	17.91	=AVERAGE(D77:D87)	18.27	8.06	=AVERAGE(G77:G87)	8.01
1895 17.99 =AVERAGE(D79.D89) 8.15 =AVERAGE(G79.G89) 8.08 1896 18.18 =AVERAGE(D80:D90) 18.21 8.21 =AVERAGE(G80:G90) 8.08 1897 17.53 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D84:D94) 18.14 8.5 =AVERAGE(G84:G94) 8.18 1901 19.08 =AVERAGE(D85:D95) 18.20 8.54 =AVERAGE(G85:G95) 8.23 1902 18.7 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.26 1903 17.93 =AVERAGE(D87:D97) 18.17 8.22 =AVERAGE(G87:G97) 8.27	1894	17.55	=AVERAGE(D78:D88)	18.22	8.16	=AVERAGE(G78:G88)	8.02
1890 18.18 -AVERAGE(B80:D90) 8.21 -AVERAGE(G80:G90) 1897 17.53 =AVERAGE(D81:D91) 18.18 8.29 =AVERAGE(G81:G91) 8.11 1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D84:D94) 18.14 8.5 =AVERAGE(G84:G94) 8.18 1901 19.08 =AVERAGE(D85:D95) 18.20 8.54 =AVERAGE(G85:G95) 8.23 1902 18.7 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.26 1903 17.93 =AVERAGE(D87:D97) 18.17 8.22 =AVERAGE(G87:G97) 8.27	1895	17.99	=AVERAGE(D79:D89)	18.25	8.15	=AVERAGE(G79:G89)	8.06
1898 18.11 =AVERAGE(D82:D92) 18.15 8.18 =AVERAGE(G82:G92) 8.14 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D84:D94) 18.14 8.5 =AVERAGE(G84:G94) 8.18 1901 19.08 =AVERAGE(D85:D95) 18.20 8.54 =AVERAGE(G85:G95) 8.23 1902 18.7 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.26 1903 17.93 =AVERAGE(D87:D97) 18.17 8.22 =AVERAGE(G87:G97) 8.27	1896	18.18	=AVERAGE(D80:D90)	18.21	8.21	=AVERAGE(G80:G90)	8.08
1898 18.11 -AVERAGE(D82.D92) 8.18 -AVERAGE(G82.G92) 1899 18.26 =AVERAGE(D83:D93) 18.13 8.4 =AVERAGE(G83:G93) 8.17 1900 18.62 =AVERAGE(D84:D94) 18.14 8.5 =AVERAGE(G84:G94) 8.18 1901 19.08 =AVERAGE(D85:D95) 18.20 8.54 =AVERAGE(G85:G95) 8.23 1902 18.7 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.26 1903 17.93 =AVERAGE(D87:D97) 18.17 8.22 =AVERAGE(G87:G97) 8.27	1897	17.53	=AVERAGE(D81:D91)	18.18	8.29	=AVERAGE(G81:G91)	8.11
1899 18.26	1898	18.11	=AVERAGE(D82:D92)	18.15	8.18	=AVERAGE(G82:G92)	8.14
1900 18.62	1899	18.26	=AVERAGE(D83:D93)	18.13	8.4	=AVERAGE(G83:G93)	8.17
1901 19.08 —AVERAGE(D85.D95) 8.34 —AVERAGE(G85.G95) 8.26 1902 18.7 =AVERAGE(D86:D96) 18.23 8.3 =AVERAGE(G86:G96) 8.26 1903 17.93 =AVERAGE(D87:D97) 18.17 8.22 =AVERAGE(G87:G97) 8.27	1900	18.62	=AVERAGE(D84:D94)	18.14	8.5	=AVERAGE(G84:G94)	8.18
1902 18.7 —AVERAGE(D86.D96) 8.3 —AVERAGE(G86.G96) 8.27 1903 17.93 =AVERAGE(D87:D97) 18.17 8.22 =AVERAGE(G87:G97) 8.27	1901	19.08	=AVERAGE(D85:D95)	18.20	8.54	=AVERAGE(G85:G95)	8.23
1905 17.95 -AVENAGE(D87.D97) 8.22 -AVENAGE(G87.G97)	1902	18.7	=AVERAGE(D86:D96)	18.23	8.3	=AVERAGE(G86:G96)	8.26
1904 17.92 =AVERAGE(D88:D98) 18.17 8.09 =AVERAGE(G88:G98) 8.28	1903	17.93	=AVERAGE(D87:D97)	18.17	8.22	=AVERAGE(G87:G97)	8.27
	1904	17.92	=AVERAGE(D88:D98)	18.17	8.09	=AVERAGE(G88:G98)	8.28

1905	17.91	=AVERAGE(D89:D99)	18.20	8.23	=AVERAGE(G89:G99)	8.28
1906	18.19	=AVERAGE(D90:D100)	18.22	8.38	=AVERAGE(G90:G100)	8.30
1907	17.52	=AVERAGE(D91:D101)	18.16	7.95	=AVERAGE(G91:G101)	8.28
1908	17.66	=AVERAGE(D92:D102)	18.17	8.19	=AVERAGE(G92:G102)	8.27
1909	18.72	=AVERAGE(D93:D103)	18.23	8.18	=AVERAGE(G93:G103)	8.27
1910	17.81	=AVERAGE(D94:D104)	18.19	8.22	=AVERAGE(G94:G104)	8.25
1911	17.41	=AVERAGE(D95:D105)	18.08	8.18	=AVERAGE(G95:G105)	8.23
1912	18.09	=AVERAGE(D96:D106)	17.99	8.17	=AVERAGE(G96:G106)	8.19
1913	17.65	=AVERAGE(D97:D107)	17.89	8.3	=AVERAGE(G97:G107)	8.19
1914	17.8	=AVERAGE(D98:D108)	17.88	8.59	=AVERAGE(G98:G108)	8.23
1915	18.46	=AVERAGE(D99:D109)	17.93	8.59	=AVERAGE(G99:G109)	8.27
1916	18.68	=AVERAGE(D100:D110)	18.00	8.23	=AVERAGE(G100:G110)	8.27
1917	18.52	=AVERAGE(D101:D111)	18.03	8.02	=AVERAGE(G101:G111)	8.24
1918	18.11	=AVERAGE(D102:D112)	18.08	8.13	=AVERAGE(G102:G112)	8.25
1919	18.44	=AVERAGE(D103:D113)	18.15	8.38	=AVERAGE(G103:G113)	8.27
1920	17.67	=AVERAGE(D104:D114)	18.06	8.36	=AVERAGE(G104:G114)	8.29
1921	17.74	=AVERAGE(D105:D115)	18.05	8.57	=AVERAGE(G105:G115)	8.32
1922	18.64	=AVERAGE(D106:D116)	18.16	8.41	=AVERAGE(G106:G116)	8.34
1923	18.76	=AVERAGE(D107:D117)	18.22	8.42	=AVERAGE(G107:G117)	8.36
1924	18.57	=AVERAGE(D108:D118)	18.31	8.51	=AVERAGE(G108:G118)	8.38
1925	18.52	=AVERAGE(D109:D119)	18.37	8.53	=AVERAGE(G109:G119)	8.38
1926	18.52	=AVERAGE(D110:D120)	18.38	8.73	=AVERAGE(G110:G120)	8.39
1927	18.73	=AVERAGE(D111:D121)	18.38	8.52	=AVERAGE(G111:G121)	8.42
1928	18.94	=AVERAGE(D112:D122)	18.42	8.63	=AVERAGE(G112:G122)	8.47
1929	18.44	=AVERAGE(D113:D123)	18.45	8.24	=AVERAGE(G113:G123)	8.48
1930	18.98	=AVERAGE(D114:D124)	18.50	8.63	=AVERAGE(G114:G124)	8.50
1931	18.68	=AVERAGE(D115:D125)	18.59	8.72	=AVERAGE(G115:G125)	8.54
1932	18.56	=AVERAGE(D116:D126)	18.67	8.71	=AVERAGE(G116:G126)	8.55
1933	18.05	=AVERAGE(D117:D127)	18.61	8.34	=AVERAGE(G117:G127)	8.54
			•			

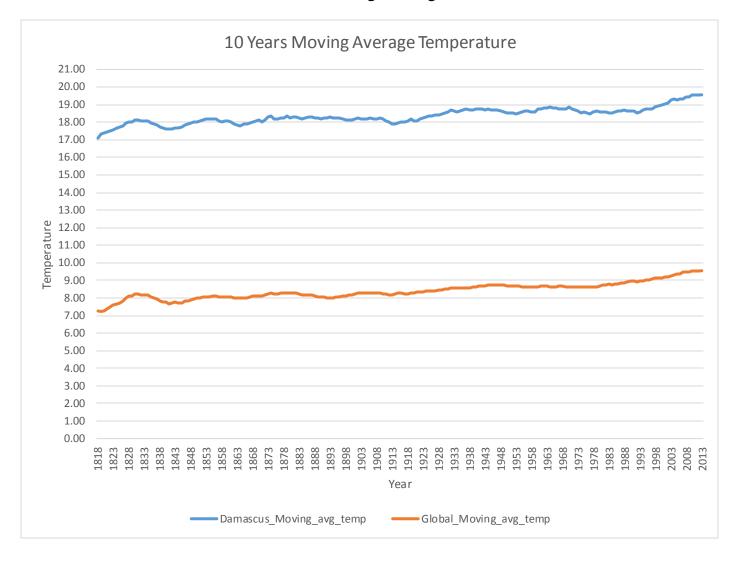
1934 18.69							
1936 18.93	1934	18.69	=AVERAGE(D118:D128)	18.61	8.63	=AVERAGE(G118:G128)	8.56
1937 19.13 = AVERAGE(D12:D131) 18.75 8.7 = AVERAGE(G12:G131) 8.56 1938 18.26 = AVERAGE(D12:D132) 18.71 8.86 = AVERAGE(G12:G132) 8.59 1939 18.95 = AVERAGE(D12:D133) 18.71 8.76 = AVERAGE(G12:G132) 8.61 1940 18.79 = AVERAGE(D12:D133) 18.74 8.76 = AVERAGE(G12:G133) 8.61 1941 19.06 = AVERAGE(D12:D135) 18.75 8.77 - AVERAGE(G12:G135) 8.67 1942 18.64 = AVERAGE(D12:D135) 18.75 8.73 = AVERAGE(G12:G135) 8.67 1943 18.26 = AVERAGE(D12:D137) 18.72 8.76 - AVERAGE(G12:G136) 8.67 1944 18.47 = AVERAGE(D12:D137) 18.72 8.76 - AVERAGE(G12:G137) 8.67 1945 18.13 = AVERAGE(D12:D139) 18.76 8.85 - AVERAGE(G12:G136) 8.71 1946 18.75 = AVERAGE(D12:D139) 18.71 8.58 - AVERAGE(G12:G136) 8.71 1947 19.44 = AVERAGE(D13:D140) 18.67 8.68 - AVERAGE(G13:G136) 8.73 1948 18 = AVERAGE(D13:D141) 18.72 8.8 - AVERAGE(G13:G13) 8.73 1949 17.7 = AVERAGE(D13:D141) 18.72 8.8 - AVERAGE(G13:G13:G141) 8.75 1949 17.7 = AVERAGE(D13:D144) 18.56 8.59 - AVERAGE(G13:G13:G144) 8.75 1950 18.5 = AVERAGE(D13:D144) 18.52 8.37 - AVERAGE(G13:G144) 8.69 1951 18.95 = AVERAGE(D13:D144) 18.54 8.63 - AVERAGE(G13:G146) 8.67 1953 17.95 = AVERAGE(D13:D149) 18.54 8.63 - AVERAGE(G13:G146) 8.67 1953 17.95 = AVERAGE(D13:D149) 18.54 8.64 - AVERAGE(G13:G146) 8.67 1953 17.95 = AVERAGE(D13:D149) 18.54 8.64 - AVERAGE(G13:G13:G144) 8.69 1954 18.81 = AVERAGE(D13:D149) 18.54 8.64 - AVERAGE(G13:G13:G144) 8.69 1955 19.35 = AVERAGE(D13:D149) 18.56 8.69 - AVERAGE(G13:G13:G144) 8.69 1954 18.81 = AVERAGE(D13:D149) 18.60 8.63 - AVERAGE(G13:G13:G149) 8.65 1955 19.35 = AVERAGE(D13:D149) 18.60 8.63 - AVERAGE(G13:G13:G149) 8.65 1956 18.53 = AVERAGE(D13:D149) 18.60 8.63 - AVERAGE(G13:G13:G149) 8.65 1957 18.58 = AVERAGE(D14:D151) 18.62 8.73 - AVERAGE(G14:G152) 8.62 1959 17.99 = AVERAGE(D14:D151) 18.62 8.73 - AVERAGE(G14:G154) 8.62 1959 17.99 = AVERAGE(D14:D151) 18.59 8.73 - AVERAGE(G14:G154) 8.62 1959 17.99 = AVERAGE(D14:D154) 18.59 8.73 - AVERAGE(G14:G154) 8.62 1959 17.99 = AVERAGE(D14:D154) 18.76 8.58 - AVERAGE(G14:G154) 8.62 1960 19.59 = AVERAGE(D14:D155) 18.75 8.88 - AVERAGE(G14:G154) 8.62	1935	19.14	=AVERAGE(D119:D129)	18.66	8.52	=AVERAGE(G119:G129)	8.56
1937 19.13	1936	18.93	=AVERAGE(D120:D130)	18.70	8.55	=AVERAGE(G120:G130)	8.57
1938 18.26	1937	19.13	=AVERAGE(D121:D131)	18.75	8.7	=AVERAGE(G121:G131)	8.56
1940 18.79	1938	18.26	=AVERAGE(D122:D132)	18.71	8.86	=AVERAGE(G122:G132)	8.59
1940 18.79	1939	18.95	=AVERAGE(D123:D133)	18.71	8.76	=AVERAGE(G123:G133)	8.61
1941	1940	18.79	=AVERAGE(D124:D134)	18.74	8.76	=AVERAGE(G124:G134)	8.65
1942 18.26 =AVERAGE(D127:D137) 18.72 8.76 =AVERAGE(G127:G137) 8.67 1944 18.47 =AVERAGE(D128:D138) 18.76 8.85 =AVERAGE(G128:G138) 8.72 1945 18.13 =AVERAGE(D129:D139) 18.71 8.58 =AVERAGE(G129:G139) 8.71 1946 18.75 =AVERAGE(D130:D140) 18.67 8.68 =AVERAGE(G130:G140) 8.73 1947 19.44 =AVERAGE(D131:D141) 18.72 8.8 =AVERAGE(G131:G141) 8.75 1948 18 =AVERAGE(D132:D142) 18.61 8.75 =AVERAGE(G131:G141) 8.75 1949 17.7 =AVERAGE(D133:D143) 18.56 8.59 =AVERAGE(G133:G143) 8.73 1950 18.5 =AVERAGE(D134:D144) 18.52 8.37 =AVERAGE(G134:G144) 8.69 1951 18.95 =AVERAGE(D135:D145) 18.54 8.63 =AVERAGE(G135:G145) 8.68 1952 19.06 =AVERAGE(D136:D146) 18.54 8.64 -AVERAGE(G137:G147) 8.68	1941	19.06	=AVERAGE(D125:D135)	18.75	8.77	=AVERAGE(G125:G135)	8.67
1944 18.47 =AVERAGE(D128:D138) 18.76 8.85 =AVERAGE(G128:G138) 8.72 1945 18.13 =AVERAGE(D129:D139) 18.71 8.58 =AVERAGE(G129:G139) 8.71 1946 18.75 =AVERAGE(D130:D140) 18.67 8.68 =AVERAGE(G130:G140) 8.73 1947 19.44 =AVERAGE(D131:D141) 18.72 8.8 =AVERAGE(G131:G141) 8.75 1948 18 =AVERAGE(D132:D142) 18.61 8.75 =AVERAGE(G132:G142) 8.75 1949 17.7 =AVERAGE(D133:D143) 18.56 8.59 =AVERAGE(G133:G143) 8.73 1950 18.5 =AVERAGE(D134:D144) 18.52 8.37 =AVERAGE(G134:G144) 8.69 1951 18.95 =AVERAGE(D135:D145) 18.54 8.63 =AVERAGE(G136:G146) 8.67 1953 17.95 =AVERAGE(D136:D146) 18.54 8.64 =AVERAGE(G136:G146) 8.67 1953 17.95 =AVERAGE(D136:D146) 18.52 8.56 =AVERAGE(G136:G146) 8.67 1954 18.81 =AVERAGE(D138:D148) 18.52 8.56 =AVERAGE(G136:G146) 8.67 1955 19.35 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G138:G148) 8.67 1956 18.53 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G138:G148) 8.65 1956 18.53 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1956 18.53 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1957 18.58 =AVERAGE(D140:D150) 18.64 8.28 =AVERAGE(G139:G149) 8.65 1958 19.04 =AVERAGE(D141:D151) 18.69 8.77 =AVERAGE(G141:G151) 8.62 1959 17.99 =AVERAGE(D143:D153) 18.59 8.77 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D143:D153) 18.76 8.58 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D143:D153) 18.76 8.58 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1960 19.59 =AVERAGE(D144:D155) 18.75 8.8 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D144:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66 18.75 AVERAGE(G145:G155) 8.66 18.75 AVERAGE(G145:G155) 8.66 18.75 AVERAGE(G145:G155) 8.66 18.75 AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D144:D154) 18.76 8.58 AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D145:D155) 18.75 8.8 AVERAGE(G145:G155) 8.66 18.75 AVERAGE(G	1942	18.64	=AVERAGE(D126:D136)	18.75	8.73	=AVERAGE(G126:G136)	8.67
1944 18.13 =AVERAGE(D129:D139) 18.71 8.58 =AVERAGE(G129:G139) 8.71 1946 18.75 =AVERAGE(D130:D140) 18.67 8.68 =AVERAGE(G130:G140) 8.73 1947 19.44 =AVERAGE(D131:D141) 18.72 8.8 =AVERAGE(G131:G141) 8.75 1948 18 =AVERAGE(D132:D142) 18.61 8.75 =AVERAGE(G132:G142) 8.75 1949 17.7 =AVERAGE(D133:D143) 18.56 8.59 =AVERAGE(G133:G143) 8.73 1950 18.5 =AVERAGE(D134:D144) 18.52 8.37 =AVERAGE(G133:G144) 8.69 1951 18.95 =AVERAGE(D135:D145) 18.54 8.63 =AVERAGE(G135:G145) 8.68 1952 19.06 =AVERAGE(D136:D146) 18.54 8.64 =AVERAGE(G136:G146) 8.67 1953 17.95 =AVERAGE(D137:D147) 18.47 8.87 =AVERAGE(G137:G147) 8.68 1954 18.81 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65	1943	18.26	=AVERAGE(D127:D137)	18.72	8.76	=AVERAGE(G127:G137)	8.67
1946 18.75 =AVERAGE(D130:D140) 18.67 8.68 =AVERAGE(G130:G140) 8.73 1947 19.44 =AVERAGE(D131:D141) 18.72 8.8 =AVERAGE(G131:G141) 8.75 1948 18 =AVERAGE(D132:D142) 18.61 8.75 =AVERAGE(G132:G142) 8.75 1949 17.7 =AVERAGE(D133:D143) 18.56 8.59 =AVERAGE(G133:G143) 8.73 1950 18.5 =AVERAGE(D134:D144) 18.52 8.37 =AVERAGE(G134:G144) 8.69 1951 18.95 =AVERAGE(D135:D145) 18.54 8.63 =AVERAGE(G135:G145) 8.68 1952 19.06 =AVERAGE(D136:D146) 18.54 8.64 =AVERAGE(G135:G145) 8.68 1953 17.95 =AVERAGE(D137:D147) 18.47 8.87 =AVERAGE(G137:G147) 8.68 1954 18.81 =AVERAGE(D138:D148) 18.52 8.56 =AVERAGE(G138:G148) 8.67 1955 19.35 =AVERAGE(D149:D150) 18.60 8.63 =AVERAGE(G149:G150) 8.62	1944	18.47	=AVERAGE(D128:D138)	18.76	8.85	=AVERAGE(G128:G138)	8.72
1947 19.44 =AVERAGE(D131:D141) 18.72 8.8 =AVERAGE(G131:G141) 8.75 1948 18 =AVERAGE(D132:D142) 18.61 8.75 =AVERAGE(G132:G142) 8.75 1949 17.7 =AVERAGE(D133:D143) 18.56 8.59 =AVERAGE(G133:G143) 8.73 1950 18.5 =AVERAGE(D134:D144) 18.52 8.37 =AVERAGE(G134:G144) 8.69 1951 18.95 =AVERAGE(D135:D145) 18.54 8.63 =AVERAGE(G135:G145) 8.68 1952 19.06 =AVERAGE(D136:D146) 18.54 8.64 =AVERAGE(G136:G146) 8.67 1953 17.95 =AVERAGE(D137:D147) 18.47 8.87 =AVERAGE(G137:G147) 8.68 1954 18.81 =AVERAGE(D138:D148) 18.52 8.56 =AVERAGE(G138:G148) 8.67 1955 19.35 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1956 18.53 =AVERAGE(D139:D149) 18.64 8.28 =AVERAGE(G139:G149) 8.62 1957 18.58 =AVERAGE(D141:D151) 18.62 8.73 =AVERAGE(G141:G151) 8.62 1959 17.99 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G142:G152) 8.62 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D145:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66	1945	18.13	=AVERAGE(D129:D139)	18.71	8.58	=AVERAGE(G129:G139)	8.71
1948 18 =AVERAGE(D132:D142) 18.61 8.75 =AVERAGE(G132:G142) 8.75 1949 17.7 =AVERAGE(D133:D143) 18.56 8.59 =AVERAGE(G133:G143) 8.73 1950 18.5 =AVERAGE(D134:D144) 18.52 8.37 =AVERAGE(G134:G144) 8.69 1951 18.95 =AVERAGE(D135:D145) 18.54 8.63 =AVERAGE(G135:G145) 8.68 1952 19.06 =AVERAGE(D136:D146) 18.54 8.64 =AVERAGE(G135:G146) 8.67 1953 17.95 =AVERAGE(D137:D147) 18.47 8.87 =AVERAGE(G136:G146) 8.68 1954 18.81 =AVERAGE(D138:D148) 18.52 8.56 =AVERAGE(G138:G148) 8.67 1955 19.35 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1956 18.53 =AVERAGE(D140:D150) 18.64 8.28 =AVERAGE(G140:G150) 8.62 1957 18.58 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G141:G151) 8.62 1959 17.99 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1960 19.59 =AVERAGE(D145:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66 18.75 =AVERAGE(G144:G154) 8.62 18.76 8.58 =AVERAGE(G144:G154) 8.62 1960 19.59 =AVERAGE(D144:D155) 18.76 8.58 =AVERAGE(G144:G154) 8.62	1946	18.75	=AVERAGE(D130:D140)	18.67	8.68	=AVERAGE(G130:G140)	8.73
1948 18 -AVERAGE(D132.D142) 8.73 -AVERAGE(G132.G142) 1949 17.7 =AVERAGE(D133:D143) 18.56 8.59 =AVERAGE(G133:G143) 8.73 1950 18.5 =AVERAGE(D134:D144) 18.52 8.37 =AVERAGE(G134:G144) 8.69 1951 18.95 =AVERAGE(D135:D145) 18.54 8.63 =AVERAGE(G135:G145) 8.68 1952 19.06 =AVERAGE(D136:D146) 18.54 8.64 =AVERAGE(G136:G146) 8.67 1953 17.95 =AVERAGE(D137:D147) 18.47 8.87 =AVERAGE(G137:G147) 8.68 1954 18.81 =AVERAGE(D138:D148) 18.52 8.56 =AVERAGE(G138:G148) 8.67 1955 19.35 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1956 18.53 =AVERAGE(D140:D150) 18.64 8.28 =AVERAGE(G140:G150) 8.62 1957 18.58 =AVERAGE(D141:D151) 18.62 8.73 =AVERAGE(G141:G151) 8.62 1958 1	1947	19.44	=AVERAGE(D131:D141)	18.72	8.8	=AVERAGE(G131:G141)	8.75
1950 18.5 =AVERAGE(D134:D144) 18.52 8.37 =AVERAGE(G134:G144) 8.69 1951 18.95 =AVERAGE(D135:D145) 18.54 8.63 =AVERAGE(G135:G145) 8.68 1952 19.06 =AVERAGE(D136:D146) 18.54 8.64 =AVERAGE(G136:G146) 8.67 1953 17.95 =AVERAGE(D137:D147) 18.47 8.87 =AVERAGE(G137:G147) 8.68 1954 18.81 =AVERAGE(D138:D148) 18.52 8.56 =AVERAGE(G138:G148) 8.67 1955 19.35 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1956 18.53 =AVERAGE(D140:D150) 18.64 8.28 =AVERAGE(G140:G150) 8.62 1957 18.58 =AVERAGE(D141:D151) 18.62 8.73 =AVERAGE(G141:G151) 8.62 1958 19.04 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G142:G152) 8.62 1959 17.99 =AVERAGE(D143:D153) 18.59 8.73 =AVERAGE(G143:G153) 8.62 <	1948	18	=AVERAGE(D132:D142)	18.61	8.75	=AVERAGE(G132:G142)	8.75
1950 16.5 -AVERAGE(D135:D144) 8.63 -AVERAGE(G135:G145) 8.68 1951 18.95 =AVERAGE(D135:D145) 18.54 8.63 =AVERAGE(G135:G145) 8.68 1952 19.06 =AVERAGE(D136:D146) 18.54 8.64 =AVERAGE(G136:G146) 8.67 1953 17.95 =AVERAGE(D137:D147) 18.47 8.87 =AVERAGE(G137:G147) 8.68 1954 18.81 =AVERAGE(D138:D148) 18.52 8.56 =AVERAGE(G138:G148) 8.67 1955 19.35 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1956 18.53 =AVERAGE(D140:D150) 18.64 8.28 =AVERAGE(G140:G150) 8.62 1957 18.58 =AVERAGE(D141:D151) 18.62 8.73 =AVERAGE(G141:G151) 8.62 1958 19.04 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G142:G152) 8.62 1959 17.99 =AVERAGE(D143:D153) 18.76 8.58 =AVERAGE(G144:G154) 8.62 <	1949	17.7	=AVERAGE(D133:D143)	18.56	8.59	=AVERAGE(G133:G143)	8.73
1951 16.95 =AVERAGE(D135.D145) 8.63 =AVERAGE(G135:G145) 1952 19.06 =AVERAGE(D136:D146) 18.54 8.64 =AVERAGE(G136:G146) 8.67 1953 17.95 =AVERAGE(D137:D147) 18.47 8.87 =AVERAGE(G137:G147) 8.68 1954 18.81 =AVERAGE(D138:D148) 18.52 8.56 =AVERAGE(G138:G148) 8.67 1955 19.35 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1956 18.53 =AVERAGE(D140:D150) 18.64 8.28 =AVERAGE(G140:G150) 8.62 1957 18.58 =AVERAGE(D141:D151) 18.62 8.73 =AVERAGE(G141:G151) 8.62 1958 19.04 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G142:G152) 8.62 1959 17.99 =AVERAGE(D143:D153) 18.59 8.73 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961	1950	18.5	=AVERAGE(D134:D144)	18.52	8.37	=AVERAGE(G134:G144)	8.69
1952 19.06	1951	18.95	=AVERAGE(D135:D145)	18.54	8.63	=AVERAGE(G135:G145)	8.68
1953 17.93 -AVERAGE(D137.D147) 8.87 -AVERAGE(G137.G147) 1954 18.81 =AVERAGE(D138:D148) 18.52 8.56 =AVERAGE(G138:G148) 8.67 1955 19.35 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1956 18.53 =AVERAGE(D140:D150) 18.64 8.28 =AVERAGE(G140:G150) 8.62 1957 18.58 =AVERAGE(D141:D151) 18.62 8.73 =AVERAGE(G141:G151) 8.62 1958 19.04 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G142:G152) 8.62 1959 17.99 =AVERAGE(D143:D153) 18.59 8.73 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D145:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66	1952	19.06	=AVERAGE(D136:D146)	18.54	8.64	=AVERAGE(G136:G146)	8.67
1934 18.81 -AVERAGE(D138:D146) 8.30 -AVERAGE(G138:G148) 1955 19.35 =AVERAGE(D139:D149) 18.60 8.63 =AVERAGE(G139:G149) 8.65 1956 18.53 =AVERAGE(D140:D150) 18.64 8.28 =AVERAGE(G140:G150) 8.62 1957 18.58 =AVERAGE(D141:D151) 18.62 8.73 =AVERAGE(G141:G151) 8.62 1958 19.04 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G142:G152) 8.62 1959 17.99 =AVERAGE(D143:D153) 18.59 8.73 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D145:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66	1953	17.95	=AVERAGE(D137:D147)	18.47	8.87	=AVERAGE(G137:G147)	8.68
1955 19.53 -AVERAGE(D139.D149) 8.63 -AVERAGE(G139.G149) 1956 18.53 =AVERAGE(D140:D150) 18.64 8.28 =AVERAGE(G140:G150) 8.62 1957 18.58 =AVERAGE(D141:D151) 18.62 8.73 =AVERAGE(G141:G151) 8.62 1958 19.04 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G142:G152) 8.62 1959 17.99 =AVERAGE(D143:D153) 18.59 8.73 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D145:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66	1954	18.81	=AVERAGE(D138:D148)	18.52	8.56	=AVERAGE(G138:G148)	8.67
1956 18.53 -AVERAGE(D140.D150) 8.28 -AVERAGE(G140.G150) 1957 18.58 =AVERAGE(D141:D151) 18.62 8.73 =AVERAGE(G141:G151) 8.62 1958 19.04 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G142:G152) 8.62 1959 17.99 =AVERAGE(D143:D153) 18.59 8.73 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D145:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66	1955	19.35	=AVERAGE(D139:D149)	18.60	8.63	=AVERAGE(G139:G149)	8.65
1957 18.58 =AVERAGE(D141:D151) 8.73 =AVERAGE(G141:G151) 1958 19.04 =AVERAGE(D142:D152) 18.59 8.77 =AVERAGE(G142:G152) 8.62 1959 17.99 =AVERAGE(D143:D153) 18.59 8.73 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D145:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66	1956	18.53	=AVERAGE(D140:D150)	18.64	8.28	=AVERAGE(G140:G150)	8.62
1938 19.04 -AVERAGE(D142.D152) 8.77 -AVERAGE(G142.G152) 1959 17.99 =AVERAGE(D143:D153) 18.59 8.73 =AVERAGE(G143:G153) 8.62 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D145:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66	1957	18.58	=AVERAGE(D141:D151)	18.62	8.73	=AVERAGE(G141:G151)	8.62
1959 17.99 -AVERAGE(D143.D153) 8.73 -AVERAGE(G143.G153) 1960 19.59 =AVERAGE(D144:D154) 18.76 8.58 =AVERAGE(G144:G154) 8.62 1961 18.41 =AVERAGE(D145:D155) 18.75 8.8 =AVERAGE(G145:G155) 8.66	1958	19.04	=AVERAGE(D142:D152)	18.59	8.77	=AVERAGE(G142:G152)	8.62
1960 19.59 -AVERAGE(D144.D154) 8.58 -AVERAGE(G144.G154) 1961 18.41 -AVERAGE(D145:D155) 18.75 8.8 -AVERAGE(G145:G155) 8.66	1959	17.99	=AVERAGE(D143:D153)	18.59	8.73	=AVERAGE(G143:G153)	8.62
1901 10.41 -AVENAGE(D145.D155) 8.8 -AVENAGE(G145.G155)	1960	19.59	=AVERAGE(D144:D154)	18.76	8.58	=AVERAGE(G144:G154)	8.62
40.00	1961	18.41	=AVERAGE(D145:D155)	18.75	8.8	=AVERAGE(G145:G155)	8.66
1962 19.52 =AVERAGE(D146:D156) 18.80 8.75 =AVERAGE(G146:G156) 8.67	1962	19.52	=AVERAGE(D146:D156)	18.80	8.75	=AVERAGE(G146:G156)	8.67

1963 1964	19.33 18.05	=AVERAGE(D147:D157)	18.83	8.86	=AVERAGE(G147:G157)	8.69
	18.05					
		=AVERAGE(D148:D158)	18.84	8.41	=AVERAGE(G148:G158)	8.65
1965	18.69	=AVERAGE(D149:D159)	18.83	8.53	=AVERAGE(G149:G159)	8.64
1966	19.26	=AVERAGE(D150:D160)	18.82	8.6	=AVERAGE(G150:G160)	8.64
1967	17.8	=AVERAGE(D151:D161)	18.75	8.7	=AVERAGE(G151:G161)	8.68
1968	18.78	=AVERAGE(D152:D162)	18.77	8.52	=AVERAGE(G152:G162)	8.66
1969	19.01	=AVERAGE(D153:D163)	18.77	8.6	=AVERAGE(G153:G163)	8.64
1970	18.88	=AVERAGE(D154:D164)	18.85	8.7	=AVERAGE(G154:G164)	8.64
1971	18.35	=AVERAGE(D155:D165)	18.73	8.6	=AVERAGE(G155:G165)	8.64
1972	18.18	=AVERAGE(D156:D166)	18.71	8.5	=AVERAGE(G156:G166)	8.62
1973	18.52	=AVERAGE(D157:D167)	18.62	8.95	=AVERAGE(G157:G167)	8.63
1974	18.45	=AVERAGE(D158:D168)	18.54	8.47	=AVERAGE(G158:G168)	8.60
1975	18.39	=AVERAGE(D159:D169)	18.57	8.74	=AVERAGE(G159:G169)	8.63
1976	18.24	=AVERAGE(D160:D170)	18.53	8.35	=AVERAGE(G160:G170)	8.61
1977	18.61	=AVERAGE(D161:D171)	18.47	8.85	=AVERAGE(G161:G171)	8.63
1978	18.9	=AVERAGE(D162:D172)	18.57	8.69	=AVERAGE(G162:G172)	8.63
1979	19.33	=AVERAGE(D163:D173)	18.62	8.73	=AVERAGE(G163:G173)	8.65
1980	18.65	=AVERAGE(D164:D174)	18.59	8.98	=AVERAGE(G164:G174)	8.69
1981	18.8	=AVERAGE(D165:D175)	18.58	9.17	=AVERAGE(G165:G175)	8.73
1982	18.12	=AVERAGE(D166:D176)	18.56	8.64	=AVERAGE(G166:G176)	8.73
1983	17.99	=AVERAGE(D167:D177)	18.55	9.03	=AVERAGE(G167:G177)	8.78
1984	18.49	=AVERAGE(D168:D178)	18.54	8.69	=AVERAGE(G168:G178)	8.76
1985	18.99	=AVERAGE(D169:D179)	18.59	8.66	=AVERAGE(G169:G179)	8.78
1986	18.73	=AVERAGE(D170:D180)	18.62	8.83	=AVERAGE(G170:G180)	8.78
1987	18.64	=AVERAGE(D171:D181)	18.66	8.99	=AVERAGE(G171:G181)	8.84
1988	18.77	=AVERAGE(D172:D182)	18.67	9.2	=AVERAGE(G172:G182)	8.87
1989	18.73	=AVERAGE(D173:D183)	18.66	8.92	=AVERAGE(G173:G183)	8.89
1990	18.9	=AVERAGE(D174:D184)	18.62	9.23	=AVERAGE(G174:G184)	8.94
1991	18.83	=AVERAGE(D175:D185)	18.64	9.18	=AVERAGE(G175:G185)	8.96

1992	17.73	=AVERAGE(D176:D186)	18.54	8.84	=AVERAGE(G176:G186)	8.93
1993	18.72	=AVERAGE(D177:D187)	18.59	8.87	=AVERAGE(G177:G187)	8.95
1994	19.34	=AVERAGE(D178:D188)	18.72	9.04	=AVERAGE(G178:G188)	8.95
1995	18.79	=AVERAGE(D179:D189)	18.74	9.35	=AVERAGE(G179:G189)	9.01
1996	19.23	=AVERAGE(D180:D190)	18.76	9.04	=AVERAGE(G180:G190)	9.04
1997	18.55	=AVERAGE(D181:D191)	18.75	9.2	=AVERAGE(G181:G191)	9.08
1998	19.73	=AVERAGE(D182:D192)	18.85	9.52	=AVERAGE(G182:G192)	9.13
1999	19.73	=AVERAGE(D183:D193)	18.93	9.29	=AVERAGE(G183:G193)	9.13
2000	19.09	=AVERAGE(D184:D194)	18.97	9.2	=AVERAGE(G184:G194)	9.16
2001	19.75	=AVERAGE(D185:D195)	19.04	9.41	=AVERAGE(G185:G195)	9.18
2002	19.47	=AVERAGE(D186:D196)	19.10	9.57	=AVERAGE(G186:G196)	9.21
2003	19.3	=AVERAGE(D187:D197)	19.25	9.53	=AVERAGE(G187:G197)	9.27
2004	19.22	=AVERAGE(D188:D198)	19.29	9.32	=AVERAGE(G188:G198)	9.32
2005	19.15	=AVERAGE(D189:D199)	19.27	9.7	=AVERAGE(G189:G199)	9.38
2006	19.07	=AVERAGE(D190:D200)	19.30	9.53	=AVERAGE(G190:G200)	9.39
2007	19.47	=AVERAGE(D191:D201)	19.32	9.73	=AVERAGE(G191:G201)	9.45
2008	19.75	=AVERAGE(D192:D202)	19.43	9.43	=AVERAGE(G192:G202)	9.48
2009	19.6	=AVERAGE(D193:D203)	19.42	9.51	=AVERAGE(G193:G203)	9.47
2010	21.07	=AVERAGE(D194:D204)	19.54	9.7	=AVERAGE(G194:G204)	9.51
2011	18.95	=AVERAGE(D195:D205)	19.53	9.52	=AVERAGE(G195:G205)	9.54
2012	19.72	=AVERAGE(D196:D206)	19.52	9.51	=AVERAGE(G196:G206)	9.55
2013	19.83	=AVERAGE(D197:D207)	19.56	9.61	=AVERAGE(G197:G207)	9.55

5 Visualizing data
Using Charts in Excel to visulaize data

To take a clear view, 10 Years Moving Average were created.



6 Observations

- 1 Temperature average over two hundred years (1818-2013) in Damascus/Syria is hotter than Global temperature average.
- 2 There is a consistent difference over the last two hundred years with about 10 degrees between damascus and global temperature average.
- 3 In general, Damascus temperature average is affected by changes happening to global temperature average
- 4 The overall trend looks like world is getting hotter. The changes of global tempreature average over last two huderd years ranges between 0.5 to 1 up and down, but since 1998 the global temperature average is increasing consistently.