Reference: EDGARv4.2 FT2012

unit: kton (Gg) CH4 /yr

Definition of emission source: CH4 totals including also biofuel and biomass (such as agricultural waste burning, Savannah fires, forest fires, post-burn decay, peat fires and decay of drained peatlands)

Applied data sources: EDGARv4.2, EDGARv4.2FT2010, extrapolation using NIR/CRF of UNFCCC

Date: 26/09/2014

Country name	Country code	1970	1971	1972	1973	1974	1975	1976	1977
China	CHN	3.72E+04	3.88E+04	3.93E+04	3.94E+04	3.96E+04	4.07E+04	4.10E+04	4.15E+04
India	IND	1.90E+04	1.91E+04	1.91E+04	1.94E+04	1.96E+04	2.00E+04	2.01E+04	2.04E+04
United States	USA	2.83E+04	2.76E+04	2.79E+04	2.81E+04	2.80E+04	2.81E+04	2.81E+04	2.78E+04
World total	Totals	2.53E+05	2.45E+05	2.55E+05	2.58E+05	2.56E+05	2.62E+05	2.69E+05	2.76E+05

Country name	Country code	1970	1971	1972	1973	1974	1975	1976	1977

1978	1979	1980	1981	1982	1983	1984	1985	1986
4.18E+04	4.16E+04	4.14E+04	4.10E+04	4.15E+04	4.24E+04	4.33E+04	4.33E+04	4.41E+04
2.06E+04	2.07E+04	2.12E+04	2.16E+04	2.17E+04	2.23E+04	2.27E+04	2.29E+04	2.35E+04
2.77E+04	2.86E+04	2.89E+04	2.90E+04	2.89E+04	2.82E+04	2.89E+04	2.87E+04	2.85E+04
2.76E+05	2.84E+05	2.86E+05	2.80E+05	2.99E+05	2.92E+05	2.85E+05	2.88E+05	2.95E+05

1978	1979	1980	1981	1982	1983	1984	1985	1986

1987	1988	1989	1990	1991	1992	1993	1994	1995
4.48E+04	4.58E+04	4.72E+04	4.84E+04	4.83E+04	4.81E+04	4.78E+04	4.86E+04	5.12E+04
2.37E+04	2.48E+04	2.54E+04	2.45E+04	2.48E+04	2.50E+04	2.52E+04	2.55E+04	2.58E+04
2.88E+04	2.94E+04	2.96E+04	3.04E+04	2.99E+04	2.97E+04	2.94E+04	2.93E+04	2.88E+04
3.08E+05	3.00E+05	3.06E+05	3.18E+05	3.19E+05	3.26E+05	3.10E+05	3.15E+05	3.12E+05

1987	1988	1989	1990	1991	1992	1993	1994	1995

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Abstract: This analysis indicates that total cumulative anthropogenic CH4, CO2, and N2O emissions f

Summary For Global Surface Temperature Change Values Associated With Livestock-Related GHG

2015	2016	2017	2018	2019	2020	2021	Year
0.518967	0.523877	0.528611	0.531666	0.531087	0.525344	0.51492	Select Glob
0.44	0.44	0.44	0.44	0.44	0.44	0.44	Livestock-F
0.228346	0.230506	0.232589	0.233933	0.233678	0.231152	0.226565	Global Surf
0.892189	0.915205	0.9384	0.960356	0.978961	0.992684	1.001991	Select Glob
0.05	0.05	0.05	0.05	0.05	0.05	0.05	Livestock-F
0.044609	0.04576	0.04692	0.048018	0.048948	0.049634	0.0501	Global Surf
0.054023	0.055118	0.056211	0.057208	0.058107	0.058805	0.059243	Select Glob
0.53	0.53	0.53	0.53	0.53	0.53	0.53	Livestock-F
0.028632	0.029212	0.029792	0.03032	0.030797	0.031166	0.031399	Global Surf
0.518967	0.523877	0.528611	0.531666	0.531087	0.525344	0.51492	Global Surf
0.892189	0.915205	0.9384	0.960356	0.978961	0.992684	1.001991	Global Surf
0.054023	0.055118	0.056211	0.057208	0.058107	0.058805	0.059243	Global Surf
1.465179	1.4942	1.523222	1.54923	1.568154	1.576833	1.576155	Global Surf
0.228346	0.230506	0.232589	0.233933	0.233678	0.231152	0.226565	Global Surf
0.044609	0.04576	0.04692	0.048018	0.048948	0.049634	0.0501	Global Surf
0.028632	0.029212	0.029792	0.03032	0.030797	0.031166	0.031399	Global Surf
0.301588	0.305479	0.309301	0.312271	0.313423	0.311952	0.308064	Global Surf
0.301588	0.305479	0.309301	0.312271	0.313423	0.311952	0.308064	Global Surf
1.465179	1.4942	1.523222	1.54923	1.568154	1.576833	1.576155	Global Surf
20.58%	20.44%	20.31%	20.16%	19.99%	19.78%	19.55%	Livestock S

Summary For Global Surface Temperature Change Values Associated With Livestock-Related GHG

2015	2016	2017	2018	2019	2020	2021	Year

0.518967	0.523877	0.528611	0.531666	0.531087	0.525344	0.51492	Select Glob
0.44	0.44	0.44	0.44	0.44	0.44	0.44	Livestock-F
0.228346	0.230506	0.232589	0.233933	0.233678	0.231152	0.226565	Global Surf
0.892189	0.915205	0.9384	0.960356	0.978961	0.992684	1.001991	Select Glob
0.132	0.132	0.132	0.132	0.132	0.132	0.132	Livestock-F
0.117769	0.120807	0.123869	0.126767	0.129223	0.131034	0.132263	Global Surf
0.054023	0.055118	0.056211	0.057208	0.058107	0.058805	0.059243	Select Glob
0.53	0.53	0.53	0.53	0.53	0.53	0.53	Livestock-F
0.028632	0.029212	0.029792	0.03032	0.030797	0.031166	0.031399	Global Surf
0.518967	0.523877	0.528611	0.531666	0.531087	0.525344	0.51492	Global Surf
0.892189	0.915205	0.9384	0.960356	0.978961	0.992684	1.001991	Global Surf
0.054023	0.055118	0.056211	0.057208	0.058107	0.058805	0.059243	Global Surf
1.465179	1.4942	1.523222	1.54923	1.568154	1.576833	1.576155	Global Surf
0.228346	0.230506	0.232589	0.233933	0.233678	0.231152	0.226565	Global Surf
0.117769	0.120807	0.123869	0.126767	0.129223	0.131034	0.132263	Global Surf
0.028632	0.029212	0.029792	0.03032	0.030797	0.031166	0.031399	Global Surf
0.374747	0.380526	0.386249	0.391021	0.393698	0.393352	0.390227	Global Surf
0.374747	0.380526	0.386249	0.391021	0.393698	0.393352	0.390227	Global Surf
1.465179	1.4942	1.523222	1.54923	1.568154	1.576833	1.576155	Global Surf
25.58%	25.47%	25.36%	25.24%	25.10%	24.95%	24.76%	Livestock S

Sheet 1 CH4

Values derived from Figure 2D, Allen et al., May 2016; Based on Anthropogenic 330 Mt CH4 Pulse i

2011	2012	2013	2014	2015	2016	2017	2018	2019
0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02

1950-1959 Annual 180 Mt CH4 Pulse Emission - Anthropogenic [6/11]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0	0.000818	0.002727	0.005455	0.007909	0.008907	0.009818	0.010473	0.010909

1960-1969 Annual 210 Mt CH4 Pulse Emission - Anthropogenic [7/11]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0	0.000955	0.003182	0.006364	0.009227	0.010392	0.011455	0.012218	0.012727

1970-1979 Annual 240 Mt CH4 Pulse Emission - Anthropogenic [8/11]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0	0.001091	0.003636	0.007273	0.010545	0.011876	0.013091	0.013964	0.014545

1980-1989 Annual 270 Mt CH4 Pulse Emission - Anthropogenic [9/11]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0	0.001227	0.004091	0.008182	0.011864	0.013361	0.014727	0.015709	0.016364

1990-2005 Annual 300 Mt CH4 Pulse Emission - Anthropogenic [10/11]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0	0.001364	0.004545	0.009091	0.013182	0.014845	0.016364	0.017455	0.018182

2006-2016 Annual 330 Mt CH4 Pulse Emission - Anthropogenic [11/11]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02

1950-2016 (1950-1959 -- 180 Mt CH4 Pulse; 1960-1969 -- 210 Mt CH4 Pulse; 1970-1979 -- 240 Mt C

	1950	1951	1952	1953	1954	1955	1956	1957
1950	0	0.000818	0.002727	0.005455	0.007909	0.008907	0.009818	0.010473
1951		0	0.000818	0.002727	0.005455	0.007909	0.008907	0.009818
1952			0	0.000818	0.002727	0.005455	0.007909	0.008907
1953				0	0.000818	0.002727	0.005455	0.007909
1954					0	0.000818	0.002727	0.005455
1955						0	0.000818	0.002727
1956							0	0.000818
1957								0
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2016

Sum	0	0.000818	0.003545	0.009	0.016909	0.025816	0.035635	0.046107
Year	1950	1951	1952	1953	1954	1955	1956	1957

Year	1950	1951	1952	1953	1954	1955	1956	1957
Sum	0	0.000818	0.003545	0.009	0.016909	0.025816	0.035635	0.046107
LSSC %	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
LSSC Value	0	0.00036	0.00156	0.00396	0.00744	0.011359	0.015679	0.020287

LSSC = Livestock Supply Chains

Summary For Global Surface Temperature Change Values Associated With Livestock-Related Metha

2015	2016	2017	2018	2019	2020	2021	Year
0.518967	0.523877	0.528611	0.531666	0.531087	0.525344	0.51492	Select Glob
0.44	0.44	0.44	0.44	0.44	0.44	0.44	Livestock-F
0.228346	0.230506	0.232589	0.233933	0.233678	0.231152	0.226565	Global Surf

2015	2016	2017	2018	2019	2020	2021	Year
0.518967	0.523877	0.528611	0.531666	0.531087	0.525344	0.51492	Select Glob
0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	Livestock-F
0.172972	0.174608	0.176186	0.177204	0.177011	0.175097	0.171623	Global Surf

2015	2016	2017	2018	2019	2020	2021	Year
0.518967	0.523877	0.528611	0.531666	0.531087	0.525344	0.51492	Select Glob
0.3	0.3	0.3	0.3	0.3	0.3	0.3	Livestock-F
0.15569	0.157163	0.158583	0.1595	0.159326	0.157603	0.154476	Global Surf

rom 1950-2016 appear to have increased annual global surface temperatures approximately 1.5 degr

Emissions - CH4,CO2, and N20 [Produced By Todd Shuman, WUMU-WURU, December 21, 2016, b

bal Surface Temperature Change Values Associated With Cumulative Anthropogenic Methane Emissi
Related (Enteric, Manure, and Other) Share [4/9 approx] Of Total Methane Emission Pulse: Based on
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related CH4

bal Surface Temperature Change Values Associated With Cumulative Anthropogenic Carbon Dioxide
Related Share [1/20 approx] Of Total Carbon Dioxide Emission Pulse. Based on Gerber et al. (2013), p
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related CO2

bal Surface Temperature Change Values Associated With Cumulative Anthropogenic Nitrous Oxide Er
Related Share [53/100 approx] Of Total Nitrous Oxide Emission Pulse. Based on Gerber et al. (2013),
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related N2O

face Temperature Change Values Associated With Cumulative Anthropogenic CH4 Emissions (1950-2
face Temperature Change Values Associated With Cumulative Anthropogenic CO2 Emissions (1950-2
face Temperature Change Values Associated With Cumulative Anthropogenic N20 Emissions (1950-2
face Temperature Change Values Associated With Cumulative Anthropogenic Emissions (1950-2016)

face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related CH4
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related CO2
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related N20
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related Emis

face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related Emis
face Temperature Change Values Associated With Cumulative Anthropogenic Emissions (1950-2016)
Supply Chain Emission-Related Temperature Change Values[CH4+CO2+N2O] As A Proportion [%] of

Emissions - CH4,CO2, and N20 [Produced By Todd Shuman, WUMU-WURU, December 21, 2016. C

bal Surface Temperature Change Values Associated With Cumulative Anthropogenic Methane Emissi
Related (Enteric, Manure, and Other) Share [4/9 approx] Of Total Methane Emission Pulse: Based on
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related CH4

bal Surface Temperature Change Values Associated With Cumulative Anthropogenic Carbon Dioxide
Related Share [132/1000 approx] Of Total Carbon Dioxide Emission Pulse. Based on Gerber et al. (20
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related CO2

bal Surface Temperature Change Values Associated With Cumulative Anthropogenic Nitrous Oxide Er
Related Share [53/100 approx] Of Total Nitrous Oxide Emission Pulse. Based on Gerber et al. (2013),
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related N2O

face Temperature Change Values Associated With Cumulative Anthropogenic CH4 Emissions (1950-2
face Temperature Change Values Associated With Cumulative Anthropogenic CO2 Emissions (1950-2
face Temperature Change Values Associated With Cumulative Anthropogenic N20 Emissions (1950-2
face Temperature Change Values Associated With Cumulative Anthropogenic Emissions (1950-2016)

face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related CH4
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related CO2
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related N20
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related Emis

face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related Emis
face Temperature Change Values Associated With Cumulative Anthropogenic Emissions (1950-2016)
Supply Chain Emission-Related Temperature Change Values[CH4+CO2+N2O] As A Proportion [%] of

n 2011 - Global Surface Temperature Change in Degrees Celsius; assume pulse emission occurs on .

2020	2021	2022	2023	2024	2025	2026	2027	2028
0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179
0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.011182	0.011318	0.011272	0.011127	0.011	0.010773	0.010454	0.010091	0.009764
0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.013045	0.013205	0.013151	0.012982	0.012833	0.012568	0.012197	0.011773	0.011391

0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.014909	0.015091	0.01503	0.014836	0.014666	0.014364	0.013939	0.013455	0.013018

0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.016773	0.016977	0.016909	0.016691	0.016499	0.016159	0.015681	0.015136	0.014645

0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.018636	0.018864	0.018787	0.018545	0.018333	0.017955	0.017424	0.016818	0.016273

0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179

H4 Pulse; 1980-1989 -- 270 Mt CH4 Pulse; 1990-2005 -- 300 Mt CH4 Pulse; 2006-2016 -- 330 Mt CH4

1958	1959	1960	1961	1962	1963	1964	1965	1966
0.010909	0.011182	0.011318	0.011272	0.011127	0.011	0.010773	0.010454	0.010091
0.010473	0.010909	0.011182	0.011318	0.011272	0.011127	0.011	0.010773	0.010454
0.009818	0.010473	0.010909	0.011182	0.011318	0.011272	0.011127	0.011	0.010773
0.008907	0.009818	0.010473	0.010909	0.011182	0.011318	0.011272	0.011127	0.011
0.007909	0.008907	0.009818	0.010473	0.010909	0.011182	0.011318	0.011272	0.011127
0.005455	0.007909	0.008907	0.009818	0.010473	0.010909	0.011182	0.011318	0.011272
0.002727	0.005455	0.007909	0.008907	0.009818	0.010473	0.010909	0.011182	0.011318
0.000818	0.002727	0.005455	0.007909	0.008907	0.009818	0.010473	0.010909	0.011182
0	0.000818	0.002727	0.005455	0.007909	0.008907	0.009818	0.010473	0.010909
	0	0.000818	0.002727	0.005455	0.007909	0.008907	0.009818	0.010473
		0	0.000955	0.003182	0.006364	0.009227	0.010392	0.011455
			0	0.000955	0.003182	0.006364	0.009227	0.010392
				0	0.000955	0.003182	0.006364	0.009227
					0	0.000955	0.003182	0.006364
						0	0.000955	0.003182
							0	0.000955
								0

0.057016	0.068198	0.079516	0.090925	0.102507	0.114416	0.126506	0.138445	0.150172
1958	1959	1960	1961	1962	1963	1964	1965	1966

1958	1959	1960	1961	1962	1963	1964	1965	1966
0.057016	0.068198	0.079516	0.090925	0.102507	0.114416	0.126506	0.138445	0.150172
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.025087	0.030007	0.034987	0.040007	0.045103	0.050343	0.055663	0.060916	0.066076

ane [CH4] Emissions, Three Different Scenarios

bal Surface Temperature Change Values Associated With Cumulative Anthropogenic Methane Emissi
Related (Enteric, Manure, and Other [Combined]) Share [4/9 approx] of total methane emission pulse:
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related Meth

bal Surface Temperature Change Values Associated With Cumulative Anthropogenic Methane Emissi
Related (Enteric and Manure Combined) Share [1/3 approx] of total methane emission pulse: Based or
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related Meth

bal Surface Temperature Change Values Associated With Cumulative Anthropogenic Methane Emissi
Related (Enteric and Manure Combined) Share [3/10 approx] of total methane emission pulse: Based c
face Temperature Change Values Associated With Cumulative Anthropogenic Livestock-Related Meth

ees C (in 2015 and 2016, and likely for 2017 and 2018 as well) above and beyond what such surface t

ased solely on LSSC GHG proportions presented in Gerber et al. (2013). CO2 Sequestration Foregon

ons (1950-2016); Degrees C
Gerber et al. (2013), Page 15. [Gerber et al. include "upstream" and "downstream" CH4 emission sou
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 44% of Total Ant

Emissions (1950-2016); Degrees C
page 15.
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 5% of Total Anth

missions (1950-2016); Degrees C
page 15.
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 53% of Total Ant

2016), in Degrees C.
2016), in Degrees C.
:016), in Degrees C.
, in Degrees C [CH4+CO2+N2O]

Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 44% of Total Ant
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 5% of Total Anth
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are correlated with 53% of Total Anth
ssions (1950-2016), in Degrees C [CH4+CO2+N2O]

ssions (1950-2016), in Degrees C [CH4+CO2+N2O]
, in Degrees C [CH4+CO2+N2O]
Total Cumulative Anthropogenic CH4+CO2+N2O Emission-Related Temperature Change Values (19

:O2 Sequestration Foregone Due To Forest Conversion to Pasture and LFC Production is included, ba

ons (1950-2016); Degrees C
Gerber et al. (2013), Page 15. [Gerber et al. include "upstream" and "downstream" CH4 emission sou
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 44% of Total Ant

Emissions (1950-2016); Degrees C
13), page 15 and Goodland and Anhang, 2009
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 5% of Total Anth

missions (1950-2016); Degrees C
page 15.
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 53% of Total Ant

2016), in Degrees C.
2016), in Degrees C.
016), in Degrees C.
, in Degrees C [CH4+CO2+N2O]

Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 44% of Total Ant
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are associated with 15% of Total Ant
Emissions (1950-2016), in Degrees C. Livestock Supply Chains are correlated with 53% of Total Anth
ssions (1950-2016), in Degrees C [CH4+CO2+N2O]

ssions (1950-2016), in Degrees C [CH4+CO2+N2O]
, in Degrees C [CH4+CO2+N2O]
Total Cumulative Anthropogenic CH4+CO2+N2O Emission-Related Temperature Change Values (19

Jan 1 of Emission Year; analysis has applied associated temperature change values on Jan 1 of follov

2029	2030	2031	2032	2033	2034	2035	2036	2037
0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119
0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.009409	0.009087	0.008727	0.008318	0.007909	0.007527	0.007091	0.006818	0.006491
0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.010977	0.010602	0.010182	0.009705	0.009227	0.008782	0.008273	0.007955	0.007573

0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.012545	0.012116	0.011636	0.011091	0.010545	0.010036	0.009455	0.009091	0.008655
0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.014114	0.013631	0.013091	0.012477	0.011864	0.011291	0.010636	0.010227	0.009736
0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.015682	0.015145	0.014545	0.013864	0.013182	0.012545	0.011818	0.011364	0.010818
0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119

4 Pulse; Temperature Change in Degrees Celsius)

1967	1968	1969	1970	1971	1972	1973	1974	1975
0.009764	0.009409	0.009087	0.008727	0.008318	0.007909	0.007527	0.007091	0.006818
0.010091	0.009764	0.009409	0.009087	0.008727	0.008318	0.007909	0.007527	0.007091
0.010454	0.010091	0.009764	0.009409	0.009087	0.008727	0.008318	0.007909	0.007527
0.010773	0.010454	0.010091	0.009764	0.009409	0.009087	0.008727	0.008318	0.007909
0.011	0.010773	0.010454	0.010091	0.009764	0.009409	0.009087	0.008727	0.008318
0.011127	0.011	0.010773	0.010454	0.010091	0.009764	0.009409	0.009087	0.008727
0.011272	0.011127	0.011	0.010773	0.010454	0.010091	0.009764	0.009409	0.009087
0.011318	0.011272	0.011127	0.011	0.010773	0.010454	0.010091	0.009764	0.009409
0.011182	0.011318	0.011272	0.011127	0.011	0.010773	0.010454	0.010091	0.009764
0.010909	0.011182	0.011318	0.011272	0.011127	0.011	0.010773	0.010454	0.010091
0.012218	0.012727	0.013045	0.013205	0.013151	0.012982	0.012833	0.012568	0.012197
0.011455	0.012218	0.012727	0.013045	0.013205	0.013151	0.012982	0.012833	0.012568
0.010392	0.011455	0.012218	0.012727	0.013045	0.013205	0.013151	0.012982	0.012833
0.009227	0.010392	0.011455	0.012218	0.012727	0.013045	0.013205	0.013151	0.012982
0.006364	0.009227	0.010392	0.011455	0.012218	0.012727	0.013045	0.013205	0.013151
0.003182	0.006364	0.009227	0.010392	0.011455	0.012218	0.012727	0.013045	0.013205
0.000955	0.003182	0.006364	0.009227	0.010392	0.011455	0.012218	0.012727	0.013045
0	0.000955	0.003182	0.006364	0.009227	0.010392	0.011455	0.012218	0.012727
	0	0.000955	0.003182	0.006364	0.009227	0.010392	0.011455	0.012218
		0	0.000955	0.003182	0.006364	0.009227	0.010392	0.011455
			0	0.001091	0.003636	0.007273	0.010545	0.011876
				0	0.001091	0.003636	0.007273	0.010545
					0	0.001091	0.003636	0.007273

0	0.001091	0.003636
	0	0.001091
		0

0.161681	0.172909	0.18386	0.194473	0.204807	0.215025	0.225294	0.235499	0.245544
1967	1968	1969	1970	1971	1972	1973	1974	1975

1967	1968	1969	1970	1971	1972	1973	1974	1975
0.161681	0.172909	0.18386	0.194473	0.204807	0.215025	0.225294	0.235499	0.245544
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.07114	0.07608	0.080898	0.085568	0.090115	0.094611	0.09913	0.103619	0.108039

ons (1950-2016); Degrees C
Based on Gerber et al. (2013), page 15. Gerber et al. include upstream and downstream CH4 emissic
ıane Emissions (1950-2016) Degrees C

ons (1950-2016); Degrees C
ı FAO #s relative to Shuman Assumed Approximate Values
ıane Emissions (1950-2016) Degrees C

ons (1950-2016); Degrees C
ɔn FAO #s relative to EDGAR Global CH4 Emission Values
ıane Emissions (1950-2016) Degrees C

:emperatures otherwise would have been without such anthropogenic CH4/CO2/N2O emissions over t

e Due To Forest Conversion to Pasture and LFC Production is excluded]

·ces in the livestock supply chain. (Enteric and manure sources are considered neither "upstream" or "
hropogenic CH4 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 1

ropogenic CO2 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 3

hropogenic N2O Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 4

hropogenic CH4 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 1
ropogenic CO2 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 3
ropogenic N20 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 4

50-2016 period)

ased on Goodland and Anhang - range is 8.2%/9.34%/10.23%]

rces in the livestock supply chain. (Enteric and manure sources are considered neither "upstream" or "
hropogenic CH4 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 1

ropogenic CO2 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 3 and Gooc

hropogenic N2O Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 4

hropogenic CH4 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 1
hropogenic CO2 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 3 and Gooc
ropogenic N20 Emissions in year 2005 -- Source: Gerber, et al. 2013, page 15 and Sheet 4

50-2016 period)

ving (post-pulse) years.

2038	2039	2040	2041	2042	2043	2044	2045	2046
0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007
0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.006109	0.005727	0.005455	0.005182	0.004909	0.004636	0.004364	0.004091	0.003818
0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.007127	0.006682	0.006364	0.006045	0.005727	0.005409	0.005091	0.004773	0.004455

0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.008145	0.007636	0.007273	0.006909	0.006545	0.006182	0.005818	0.005455	0.005091

0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.009164	0.008591	0.008182	0.007773	0.007364	0.006955	0.006545	0.006136	0.005727

0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.010182	0.009545	0.009091	0.008636	0.008182	0.007727	0.007273	0.006818	0.006364

0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007

1976	1977	1978	1979	1980	1981	1982	1983	1984
0.006491	0.006109	0.005727	0.005455	0.005182	0.004909	0.004636	0.004364	0.004091
0.006818	0.006491	0.006109	0.005727	0.005455	0.005182	0.004909	0.004636	0.004364
0.007091	0.006818	0.006491	0.006109	0.005727	0.005455	0.005182	0.004909	0.004636
0.007527	0.007091	0.006818	0.006491	0.006109	0.005727	0.005455	0.005182	0.004909
0.007909	0.007527	0.007091	0.006818	0.006491	0.006109	0.005727	0.005455	0.005182
0.008318	0.007909	0.007527	0.007091	0.006818	0.006491	0.006109	0.005727	0.005455
0.008727	0.008318	0.007909	0.007527	0.007091	0.006818	0.006491	0.006109	0.005727
0.009087	0.008727	0.008318	0.007909	0.007527	0.007091	0.006818	0.006491	0.006109
0.009409	0.009087	0.008727	0.008318	0.007909	0.007527	0.007091	0.006818	0.006491
0.009764	0.009409	0.009087	0.008727	0.008318	0.007909	0.007527	0.007091	0.006818
0.011773	0.011391	0.010977	0.010602	0.010182	0.009705	0.009227	0.008782	0.008273
0.012197	0.011773	0.011391	0.010977	0.010602	0.010182	0.009705	0.009227	0.008782
0.012568	0.012197	0.011773	0.011391	0.010977	0.010602	0.010182	0.009705	0.009227
0.012833	0.012568	0.012197	0.011773	0.011391	0.010977	0.010602	0.010182	0.009705
0.012982	0.012833	0.012568	0.012197	0.011773	0.011391	0.010977	0.010602	0.010182
0.013151	0.012982	0.012833	0.012568	0.012197	0.011773	0.011391	0.010977	0.010602
0.013205	0.013151	0.012982	0.012833	0.012568	0.012197	0.011773	0.011391	0.010977
0.013045	0.013205	0.013151	0.012982	0.012833	0.012568	0.012197	0.011773	0.011391
0.012727	0.013045	0.013205	0.013151	0.012982	0.012833	0.012568	0.012197	0.011773
0.012218	0.012727	0.013045	0.013205	0.013151	0.012982	0.012833	0.012568	0.012197
0.013091	0.013964	0.014545	0.014909	0.015091	0.01503	0.014836	0.014666	0.014364
0.011876	0.013091	0.013964	0.014545	0.014909	0.015091	0.01503	0.014836	0.014666
0.010545	0.011876	0.013091	0.013964	0.014545	0.014909	0.015091	0.01503	0.014836

0.007273	0.010545	0.011876	0.013091	0.013964	0.014545	0.014909	0.015091	0.01503
0.003636	0.007273	0.010545	0.011876	0.013091	0.013964	0.014545	0.014909	0.015091
0.001091	0.003636	0.007273	0.010545	0.011876	0.013091	0.013964	0.014545	0.014909
0	0.001091	0.003636	0.007273	0.010545	0.011876	0.013091	0.013964	0.014545
	0	0.001091	0.003636	0.007273	0.010545	0.011876	0.013091	0.013964
		0	0.001091	0.003636	0.007273	0.010545	0.011876	0.013091
			0	0.001091	0.003636	0.007273	0.010545	0.011876
				0	0.001227	0.004091	0.008182	0.011864
					0	0.001227	0.004091	0.008182
						0	0.001227	0.004091
							0	0.001227
								0

0.255353	0.264835	0.273948	0.282781	0.291304	0.299614	0.307878	0.316239	0.324625
1976	1977	1978	1979	1980	1981	1982	1983	1984

1976	1977	1978	1979	1980	1981	1982	1983	1984
0.255353	0.264835	0.273948	0.282781	0.291304	0.299614	0.307878	0.316239	0.324625
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.112355	0.116527	0.120537	0.124424	0.128174	0.13183	0.135466	0.139145	0.142835

ɔn sources in the livestock supply chain. (Enteric and manure sources are considered neither upstrean

he1950-2016 period. This analysis also indicates that global livestock supply chain-associated GHG e

'downstream" -- they are classified within the "animal production unit" category - see page 7.]

'downstream" -- they are classified within the "animal production unit" category - see page 7.]

dland and Anhang, 2009

odland and Anhang, 2009

2047	2048	2049	2050	2051	2052	2053	2054	2055
0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166
0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.003633	0.003409	0.003245	0.003091	0.002909	0.002727	0.002591	0.0024	0.002272
0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.004238	0.003977	0.003786	0.003606	0.003394	0.003182	0.003023	0.0028	0.002651

0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.004844	0.004545	0.004327	0.004121	0.003879	0.003636	0.003455	0.0032	0.00303

0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.005449	0.005114	0.004868	0.004636	0.004363	0.004091	0.003886	0.0036	0.003409

0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.006055	0.005682	0.005409	0.005151	0.004848	0.004545	0.004318	0.004	0.003787

0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166

1985	1986	1987	1988	1989	1990	1991	1992	1993
0.003818	0.003633	0.003409	0.003245	0.003091	0.002909	0.002727	0.002591	0.0024
0.004091	0.003818	0.003633	0.003409	0.003245	0.003091	0.002909	0.002727	0.002591
0.004364	0.004091	0.003818	0.003633	0.003409	0.003245	0.003091	0.002909	0.002727
0.004636	0.004364	0.004091	0.003818	0.003633	0.003409	0.003245	0.003091	0.002909
0.004909	0.004636	0.004364	0.004091	0.003818	0.003633	0.003409	0.003245	0.003091
0.005182	0.004909	0.004636	0.004364	0.004091	0.003818	0.003633	0.003409	0.003245
0.005455	0.005182	0.004909	0.004636	0.004364	0.004091	0.003818	0.003633	0.003409
0.005727	0.005455	0.005182	0.004909	0.004636	0.004364	0.004091	0.003818	0.003633
0.006109	0.005727	0.005455	0.005182	0.004909	0.004636	0.004364	0.004091	0.003818
0.006491	0.006109	0.005727	0.005455	0.005182	0.004909	0.004636	0.004364	0.004091
0.007955	0.007573	0.007127	0.006682	0.006364	0.006045	0.005727	0.005409	0.005091
0.008273	0.007955	0.007573	0.007127	0.006682	0.006364	0.006045	0.005727	0.005409
0.008782	0.008273	0.007955	0.007573	0.007127	0.006682	0.006364	0.006045	0.005727
0.009227	0.008782	0.008273	0.007955	0.007573	0.007127	0.006682	0.006364	0.006045
0.009705	0.009227	0.008782	0.008273	0.007955	0.007573	0.007127	0.006682	0.006364
0.010182	0.009705	0.009227	0.008782	0.008273	0.007955	0.007573	0.007127	0.006682
0.010602	0.010182	0.009705	0.009227	0.008782	0.008273	0.007955	0.007573	0.007127
0.010977	0.010602	0.010182	0.009705	0.009227	0.008782	0.008273	0.007955	0.007573
0.011391	0.010977	0.010602	0.010182	0.009705	0.009227	0.008782	0.008273	0.007955
0.011773	0.011391	0.010977	0.010602	0.010182	0.009705	0.009227	0.008782	0.008273
0.013939	0.013455	0.013018	0.012545	0.012116	0.011636	0.011091	0.010545	0.010036
0.014364	0.013939	0.013455	0.013018	0.012545	0.012116	0.011636	0.011091	0.010545
0.014666	0.014364	0.013939	0.013455	0.013018	0.012545	0.012116	0.011636	0.011091

0.014836	0.014666	0.014364	0.013939	0.013455	0.013018	0.012545	0.012116	0.011636
0.01503	0.014836	0.014666	0.014364	0.013939	0.013455	0.013018	0.012545	0.012116
0.015091	0.01503	0.014836	0.014666	0.014364	0.013939	0.013455	0.013018	0.012545
0.014909	0.015091	0.01503	0.014836	0.014666	0.014364	0.013939	0.013455	0.013018
0.014545	0.014909	0.015091	0.01503	0.014836	0.014666	0.014364	0.013939	0.013455
0.013964	0.014545	0.014909	0.015091	0.01503	0.014836	0.014666	0.014364	0.013939
0.013091	0.013964	0.014545	0.014909	0.015091	0.01503	0.014836	0.014666	0.014364
0.013361	0.014727	0.015709	0.016364	0.016773	0.016977	0.016909	0.016691	0.016499
0.011864	0.013361	0.014727	0.015709	0.016364	0.016773	0.016977	0.016909	0.016691
0.008182	0.011864	0.013361	0.014727	0.015709	0.016364	0.016773	0.016977	0.016909
0.004091	0.008182	0.011864	0.013361	0.014727	0.015709	0.016364	0.016773	0.016977
0.001227	0.004091	0.008182	0.011864	0.013361	0.014727	0.015709	0.016364	0.016773
0	0.001227	0.004091	0.008182	0.011864	0.013361	0.014727	0.015709	0.016364
	0	0.001227	0.004091	0.008182	0.011864	0.013361	0.014727	0.015709
		0	0.001227	0.004091	0.008182	0.011864	0.013361	0.014727
			0	0.001227	0.004091	0.008182	0.011864	0.013361
				0	0.001227	0.004091	0.008182	0.011864
					0	0.001364	0.004545	0.009091
						0	0.001364	0.004545
							0	0.001364
								0

0.332806	0.340839	0.348639	0.356226	0.363603	0.370717	0.377664	0.384655	0.391779
1985	1986	1987	1988	1989	1990	1991	1992	1993

1985	1986	1987	1988	1989	1990	1991	1992	1993
0.332806	0.340839	0.348639	0.356226	0.363603	0.370717	0.377664	0.384655	0.391779
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.146435	0.149969	0.153401	0.156739	0.159985	0.163115	0.166172	0.169248	0.172383

n or downstream -- they are classified within the "animal production unit" category - see page 7.)

missions are likely responsible for roughly one-fifth (20.5%) of the cumulative global surface temperat

2056	2057	2058	2059	2060	2061	2062	2063	2064
0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025
0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.002182	0.002073	0.001909	0.001773	0.001727	0.001636	0.001527	0.001418	0.001364
0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.002545	0.002418	0.002227	0.002068	0.002015	0.001909	0.001782	0.001655	0.001591

0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.002909	0.002764	0.002545	0.002364	0.002303	0.002182	0.002036	0.001891	0.001818

0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.003273	0.003109	0.002864	0.002659	0.00259	0.002455	0.002291	0.002127	0.002045

0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.003636	0.003455	0.003182	0.002955	0.002878	0.002727	0.002545	0.002364	0.002273

0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025

1994	1995	1996	1997	1998	1999	2000	2001	2002
0.002272	0.002182	0.002073	0.001909	0.001773	0.001727	0.001636	0.001527	0.001418
0.0024	0.002272	0.002182	0.002073	0.001909	0.001773	0.001727	0.001636	0.001527
0.002591	0.0024	0.002272	0.002182	0.002073	0.001909	0.001773	0.001727	0.001636
0.002727	0.002591	0.0024	0.002272	0.002182	0.002073	0.001909	0.001773	0.001727
0.002909	0.002727	0.002591	0.0024	0.002272	0.002182	0.002073	0.001909	0.001773
0.003091	0.002909	0.002727	0.002591	0.0024	0.002272	0.002182	0.002073	0.001909
0.003245	0.003091	0.002909	0.002727	0.002591	0.0024	0.002272	0.002182	0.002073
0.003409	0.003245	0.003091	0.002909	0.002727	0.002591	0.0024	0.002272	0.002182
0.003633	0.003409	0.003245	0.003091	0.002909	0.002727	0.002591	0.0024	0.002272
0.003818	0.003633	0.003409	0.003245	0.003091	0.002909	0.002727	0.002591	0.0024
0.004773	0.004455	0.004238	0.003977	0.003786	0.003606	0.003394	0.003182	0.003023
0.005091	0.004773	0.004455	0.004238	0.003977	0.003786	0.003606	0.003394	0.003182
0.005409	0.005091	0.004773	0.004455	0.004238	0.003977	0.003786	0.003606	0.003394
0.005727	0.005409	0.005091	0.004773	0.004455	0.004238	0.003977	0.003786	0.003606
0.006045	0.005727	0.005409	0.005091	0.004773	0.004455	0.004238	0.003977	0.003786
0.006364	0.006045	0.005727	0.005409	0.005091	0.004773	0.004455	0.004238	0.003977
0.006682	0.006364	0.006045	0.005727	0.005409	0.005091	0.004773	0.004455	0.004238
0.007127	0.006682	0.006364	0.006045	0.005727	0.005409	0.005091	0.004773	0.004455
0.007573	0.007127	0.006682	0.006364	0.006045	0.005727	0.005409	0.005091	0.004773
0.007955	0.007573	0.007127	0.006682	0.006364	0.006045	0.005727	0.005409	0.005091
0.009455	0.009091	0.008655	0.008145	0.007636	0.007273	0.006909	0.006545	0.006182
0.010036	0.009455	0.009091	0.008655	0.008145	0.007636	0.007273	0.006909	0.006545
0.010545	0.010036	0.009455	0.009091	0.008655	0.008145	0.007636	0.007273	0.006909

0.011091	0.010545	0.010036	0.009455	0.009091	0.008655	0.008145	0.007636	0.007273
0.011636	0.011091	0.010545	0.010036	0.009455	0.009091	0.008655	0.008145	0.007636
0.012116	0.011636	0.011091	0.010545	0.010036	0.009455	0.009091	0.008655	0.008145
0.012545	0.012116	0.011636	0.011091	0.010545	0.010036	0.009455	0.009091	0.008655
0.013018	0.012545	0.012116	0.011636	0.011091	0.010545	0.010036	0.009455	0.009091
0.013455	0.013018	0.012545	0.012116	0.011636	0.011091	0.010545	0.010036	0.009455
0.013939	0.013455	0.013018	0.012545	0.012116	0.011636	0.011091	0.010545	0.010036
0.016159	0.015681	0.015136	0.014645	0.014114	0.013631	0.013091	0.012477	0.011864
0.016499	0.016159	0.015681	0.015136	0.014645	0.014114	0.013631	0.013091	0.012477
0.016691	0.016499	0.016159	0.015681	0.015136	0.014645	0.014114	0.013631	0.013091
0.016909	0.016691	0.016499	0.016159	0.015681	0.015136	0.014645	0.014114	0.013631
0.016977	0.016909	0.016691	0.016499	0.016159	0.015681	0.015136	0.014645	0.014114
0.016773	0.016977	0.016909	0.016691	0.016499	0.016159	0.015681	0.015136	0.014645
0.016364	0.016773	0.016977	0.016909	0.016691	0.016499	0.016159	0.015681	0.015136
0.015709	0.016364	0.016773	0.016977	0.016909	0.016691	0.016499	0.016159	0.015681
0.014727	0.015709	0.016364	0.016773	0.016977	0.016909	0.016691	0.016499	0.016159
0.013361	0.014727	0.015709	0.016364	0.016773	0.016977	0.016909	0.016691	0.016499
0.013182	0.014845	0.016364	0.017455	0.018182	0.018636	0.018864	0.018787	0.018545
0.009091	0.013182	0.014845	0.016364	0.017455	0.018182	0.018636	0.018864	0.018787
0.004545	0.009091	0.013182	0.014845	0.016364	0.017455	0.018182	0.018636	0.018864
0.001364	0.004545	0.009091	0.013182	0.014845	0.016364	0.017455	0.018182	0.018636
0	0.001364	0.004545	0.009091	0.013182	0.014845	0.016364	0.017455	0.018182
	0	0.001364	0.004545	0.009091	0.013182	0.014845	0.016364	0.017455
		0	0.001364	0.004545	0.009091	0.013182	0.014845	0.016364
			0	0.001364	0.004545	0.009091	0.013182	0.014845
				0	0.001364	0.004545	0.009091	0.013182
					0	0.001364	0.004545	0.009091
						0	0.001364	0.004545
							0	0.001364
								0

0.399029	0.40621	0.413288	0.420156	0.426811	0.43334	0.439666	0.445731	0.451527
1994	1995	1996	1997	1998	1999	2000	2001	2002

1994	1995	1996	1997	1998	1999	2000	2001	2002
0.399029	0.40621	0.413288	0.420156	0.426811	0.43334	0.439666	0.445731	0.451527
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.175573	0.178732	0.181847	0.184869	0.187797	0.19067	0.193453	0.196122	0.198672

ure change over this period.This value excludes foregone carbon sequestration due to the conversion

2065	2066	2067	2068	2069	2070	2071	2072	2073
0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171
0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.001309	0.001255	0.0012	0.001151	0.001107	0.001064	0.00102	0.000976	0.000933
0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.001527	0.001464	0.0014	0.001343	0.001292	0.001241	0.00119	0.001139	0.001088

0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.001745	0.001673	0.0016	0.001535	0.001476	0.001418	0.00136	0.001302	0.001244

0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.001964	0.001882	0.0018	0.001726	0.001661	0.001595	0.00153	0.001465	0.001399

0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.002182	0.002091	0.002	0.001918	0.001845	0.001773	0.0017	0.001627	0.001555

0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171

2003	2004	2005	2006	2007	2008	2009	2010	2011
0.001364	0.001309	0.001255	0.0012	0.001151	0.001107	0.001064	0.00102	0.000976
0.001418	0.001364	0.001309	0.001255	0.0012	0.001151	0.001107	0.001064	0.00102
0.001527	0.001418	0.001364	0.001309	0.001255	0.0012	0.001151	0.001107	0.001064
0.001636	0.001527	0.001418	0.001364	0.001309	0.001255	0.0012	0.001151	0.001107
0.001727	0.001636	0.001527	0.001418	0.001364	0.001309	0.001255	0.0012	0.001151
0.001773	0.001727	0.001636	0.001527	0.001418	0.001364	0.001309	0.001255	0.0012
0.001909	0.001773	0.001727	0.001636	0.001527	0.001418	0.001364	0.001309	0.001255
0.002073	0.001909	0.001773	0.001727	0.001636	0.001527	0.001418	0.001364	0.001309
0.002182	0.002073	0.001909	0.001773	0.001727	0.001636	0.001527	0.001418	0.001364
0.002272	0.002182	0.002073	0.001909	0.001773	0.001727	0.001636	0.001527	0.001418
0.0028	0.002651	0.002545	0.002418	0.002227	0.002068	0.002015	0.001909	0.001782
0.003023	0.0028	0.002651	0.002545	0.002418	0.002227	0.002068	0.002015	0.001909
0.003182	0.003023	0.0028	0.002651	0.002545	0.002418	0.002227	0.002068	0.002015
0.003394	0.003182	0.003023	0.0028	0.002651	0.002545	0.002418	0.002227	0.002068
0.003606	0.003394	0.003182	0.003023	0.0028	0.002651	0.002545	0.002418	0.002227
0.003786	0.003606	0.003394	0.003182	0.003023	0.0028	0.002651	0.002545	0.002418
0.003977	0.003786	0.003606	0.003394	0.003182	0.003023	0.0028	0.002651	0.002545
0.004238	0.003977	0.003786	0.003606	0.003394	0.003182	0.003023	0.0028	0.002651
0.004455	0.004238	0.003977	0.003786	0.003606	0.003394	0.003182	0.003023	0.0028
0.004773	0.004455	0.004238	0.003977	0.003786	0.003606	0.003394	0.003182	0.003023
0.005818	0.005455	0.005091	0.004844	0.004545	0.004327	0.004121	0.003879	0.003636
0.006182	0.005818	0.005455	0.005091	0.004844	0.004545	0.004327	0.004121	0.003879
0.006545	0.006182	0.005818	0.005455	0.005091	0.004844	0.004545	0.004327	0.004121

0.006909	0.006545	0.006182	0.005818	0.005455	0.005091	0.004844	0.004545	0.004327
0.007273	0.006909	0.006545	0.006182	0.005818	0.005455	0.005091	0.004844	0.004545
0.007636	0.007273	0.006909	0.006545	0.006182	0.005818	0.005455	0.005091	0.004844
0.008145	0.007636	0.007273	0.006909	0.006545	0.006182	0.005818	0.005455	0.005091
0.008655	0.008145	0.007636	0.007273	0.006909	0.006545	0.006182	0.005818	0.005455
0.009091	0.008655	0.008145	0.007636	0.007273	0.006909	0.006545	0.006182	0.005818
0.009455	0.009091	0.008655	0.008145	0.007636	0.007273	0.006909	0.006545	0.006182
0.011291	0.010636	0.010227	0.009736	0.009164	0.008591	0.008182	0.007773	0.007364
0.011864	0.011291	0.010636	0.010227	0.009736	0.009164	0.008591	0.008182	0.007773
0.012477	0.011864	0.011291	0.010636	0.010227	0.009736	0.009164	0.008591	0.008182
0.013091	0.012477	0.011864	0.011291	0.010636	0.010227	0.009736	0.009164	0.008591
0.013631	0.013091	0.012477	0.011864	0.011291	0.010636	0.010227	0.009736	0.009164
0.014114	0.013631	0.013091	0.012477	0.011864	0.011291	0.010636	0.010227	0.009736
0.014645	0.014114	0.013631	0.013091	0.012477	0.011864	0.011291	0.010636	0.010227
0.015136	0.014645	0.014114	0.013631	0.013091	0.012477	0.011864	0.011291	0.010636
0.015681	0.015136	0.014645	0.014114	0.013631	0.013091	0.012477	0.011864	0.011291
0.016159	0.015681	0.015136	0.014645	0.014114	0.013631	0.013091	0.012477	0.011864
0.018333	0.017955	0.017424	0.016818	0.016273	0.015682	0.015145	0.014545	0.013864
0.018545	0.018333	0.017955	0.017424	0.016818	0.016273	0.015682	0.015145	0.014545
0.018787	0.018545	0.018333	0.017955	0.017424	0.016818	0.016273	0.015682	0.015145
0.018864	0.018787	0.018545	0.018333	0.017955	0.017424	0.016818	0.016273	0.015682
0.018636	0.018864	0.018787	0.018545	0.018333	0.017955	0.017424	0.016818	0.016273
0.018182	0.018636	0.018864	0.018787	0.018545	0.018333	0.017955	0.017424	0.016818
0.017455	0.018182	0.018636	0.018864	0.018787	0.018545	0.018333	0.017955	0.017424
0.016364	0.017455	0.018182	0.018636	0.018864	0.018787	0.018545	0.018333	0.017955
0.014845	0.016364	0.017455	0.018182	0.018636	0.018864	0.018787	0.018545	0.018333
0.013182	0.014845	0.016364	0.017455	0.018182	0.018636	0.018864	0.018787	0.018545
0.009091	0.013182	0.014845	0.016364	0.017455	0.018182	0.018636	0.018864	0.018787
0.004545	0.009091	0.013182	0.014845	0.016364	0.017455	0.018182	0.018636	0.018864
0.001364	0.004545	0.009091	0.013182	0.014845	0.016364	0.017455	0.018182	0.018636
0	0.001364	0.004545	0.009091	0.013182	0.014845	0.016364	0.017455	0.018182
	0	0.001364	0.004545	0.009091	0.013182	0.014845	0.016364	0.017455
		0	0.001364	0.004545	0.009091	0.013182	0.014845	0.016364
			0	0.0015	0.005	0.01	0.0145	0.01633
				0	0.0015	0.005	0.01	0.0145
					0	0.0015	0.005	0.01
						0	0.0015	0.005
							0	0.0015
								0

0.457105	0.462452	0.467585	0.4725	0.477319	0.48224	0.487439	0.492853	0.498228
2003	2004	2005	2006	2007	2008	2009	2010	2011

2003	2004	2005	2006	2007	2008	2009	2010	2011
0.457105	0.462452	0.467585	0.4725	0.477319	0.48224	0.487439	0.492853	0.498228
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.201126	0.203479	0.205738	0.2079	0.21002	0.212186	0.214473	0.216855	0.21922

of forests into pastures and livestock feed row crop production. If foregone carbon sequestration is in

2074	2075	2076	2077	2078	2079	2080	2081	2082
0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128	0.00123	0.00118

0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128	0.00123	0.00118
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.000889	0.000856	0.000824	0.000791	0.000758	0.000725	0.000698	0.000671	0.000644

0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128	0.00123	0.00118
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.001037	0.000999	0.000961	0.000923	0.000885	0.000846	0.000815	0.000783	0.000751

0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128	0.00123	0.00118
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.001185	0.001142	0.001098	0.001055	0.001011	0.000967	0.000931	0.000895	0.000858

0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128	0.00123	0.00118
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.001334	0.001285	0.001235	0.001186	0.001137	0.001088	0.001047	0.001006	0.000965

0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128	0.00123	0.00118
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.001482	0.001427	0.001373	0.001318	0.001264	0.001209	0.001164	0.001118	0.001073

0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128	0.00123	0.00118

2012	2013	2014	2015	2016	2017	2018	2019	2020
0.000933	0.000889	0.000856	0.000824	0.000791	0.000758	0.000725	0.000698	0.000671
0.000976	0.000933	0.000889	0.000856	0.000824	0.000791	0.000758	0.000725	0.000698
0.00102	0.000976	0.000933	0.000889	0.000856	0.000824	0.000791	0.000758	0.000725
0.001064	0.00102	0.000976	0.000933	0.000889	0.000856	0.000824	0.000791	0.000758
0.001107	0.001064	0.00102	0.000976	0.000933	0.000889	0.000856	0.000824	0.000791
0.001151	0.001107	0.001064	0.00102	0.000976	0.000933	0.000889	0.000856	0.000824
0.0012	0.001151	0.001107	0.001064	0.00102	0.000976	0.000933	0.000889	0.000856
0.001255	0.0012	0.001151	0.001107	0.001064	0.00102	0.000976	0.000933	0.000889
0.001309	0.001255	0.0012	0.001151	0.001107	0.001064	0.00102	0.000976	0.000933
0.001364	0.001309	0.001255	0.0012	0.001151	0.001107	0.001064	0.00102	0.000976
0.001655	0.001591	0.001527	0.001464	0.0014	0.001343	0.001292	0.001241	0.00119
0.001782	0.001655	0.001591	0.001527	0.001464	0.0014	0.001343	0.001292	0.001241
0.001909	0.001782	0.001655	0.001591	0.001527	0.001464	0.0014	0.001343	0.001292
0.002015	0.001909	0.001782	0.001655	0.001591	0.001527	0.001464	0.0014	0.001343
0.002068	0.002015	0.001909	0.001782	0.001655	0.001591	0.001527	0.001464	0.0014
0.002227	0.002068	0.002015	0.001909	0.001782	0.001655	0.001591	0.001527	0.001464
0.002418	0.002227	0.002068	0.002015	0.001909	0.001782	0.001655	0.001591	0.001527
0.002545	0.002418	0.002227	0.002068	0.002015	0.001909	0.001782	0.001655	0.001591
0.002651	0.002545	0.002418	0.002227	0.002068	0.002015	0.001909	0.001782	0.001655
0.0028	0.002651	0.002545	0.002418	0.002227	0.002068	0.002015	0.001909	0.001782
0.003455	0.0032	0.00303	0.002909	0.002764	0.002545	0.002364	0.002303	0.002182
0.003636	0.003455	0.0032	0.00303	0.002909	0.002764	0.002545	0.002364	0.002303
0.003879	0.003636	0.003455	0.0032	0.00303	0.002909	0.002764	0.002545	0.002364

0.004121	0.003879	0.003636	0.003455	0.0032	0.00303	0.002909	0.002764	0.002545
0.004327	0.004121	0.003879	0.003636	0.003455	0.0032	0.00303	0.002909	0.002764
0.004545	0.004327	0.004121	0.003879	0.003636	0.003455	0.0032	0.00303	0.002909
0.004844	0.004545	0.004327	0.004121	0.003879	0.003636	0.003455	0.0032	0.00303
0.005091	0.004844	0.004545	0.004327	0.004121	0.003879	0.003636	0.003455	0.0032
0.005455	0.005091	0.004844	0.004545	0.004327	0.004121	0.003879	0.003636	0.003455
0.005818	0.005455	0.005091	0.004844	0.004545	0.004327	0.004121	0.003879	0.003636
0.006955	0.006545	0.006136	0.005727	0.005449	0.005114	0.004868	0.004636	0.004363
0.007364	0.006955	0.006545	0.006136	0.005727	0.005449	0.005114	0.004868	0.004636
0.007773	0.007364	0.006955	0.006545	0.006136	0.005727	0.005449	0.005114	0.004868
0.008182	0.007773	0.007364	0.006955	0.006545	0.006136	0.005727	0.005449	0.005114
0.008591	0.008182	0.007773	0.007364	0.006955	0.006545	0.006136	0.005727	0.005449
0.009164	0.008591	0.008182	0.007773	0.007364	0.006955	0.006545	0.006136	0.005727
0.009736	0.009164	0.008591	0.008182	0.007773	0.007364	0.006955	0.006545	0.006136
0.010227	0.009736	0.009164	0.008591	0.008182	0.007773	0.007364	0.006955	0.006545
0.010636	0.010227	0.009736	0.009164	0.008591	0.008182	0.007773	0.007364	0.006955
0.011291	0.010636	0.010227	0.009736	0.009164	0.008591	0.008182	0.007773	0.007364
0.013182	0.012545	0.011818	0.011364	0.010818	0.010182	0.009545	0.009091	0.008636
0.013864	0.013182	0.012545	0.011818	0.011364	0.010818	0.010182	0.009545	0.009091
0.014545	0.013864	0.013182	0.012545	0.011818	0.011364	0.010818	0.010182	0.009545
0.015145	0.014545	0.013864	0.013182	0.012545	0.011818	0.011364	0.010818	0.010182
0.015682	0.015145	0.014545	0.013864	0.013182	0.012545	0.011818	0.011364	0.010818
0.016273	0.015682	0.015145	0.014545	0.013864	0.013182	0.012545	0.011818	0.011364
0.016818	0.016273	0.015682	0.015145	0.014545	0.013864	0.013182	0.012545	0.011818
0.017424	0.016818	0.016273	0.015682	0.015145	0.014545	0.013864	0.013182	0.012545
0.017955	0.017424	0.016818	0.016273	0.015682	0.015145	0.014545	0.013864	0.013182
0.018333	0.017955	0.017424	0.016818	0.016273	0.015682	0.015145	0.014545	0.013864
0.018545	0.018333	0.017955	0.017424	0.016818	0.016273	0.015682	0.015145	0.014545
0.018787	0.018545	0.018333	0.017955	0.017424	0.016818	0.016273	0.015682	0.015145
0.018864	0.018787	0.018545	0.018333	0.017955	0.017424	0.016818	0.016273	0.015682
0.018636	0.018864	0.018787	0.018545	0.018333	0.017955	0.017424	0.016818	0.016273
0.018182	0.018636	0.018864	0.018787	0.018545	0.018333	0.017955	0.017424	0.016818
0.017455	0.018182	0.018636	0.018864	0.018787	0.018545	0.018333	0.017955	0.017424
0.018	0.0192	0.02	0.0205	0.02075	0.020666	0.0204	0.020166	0.01975
0.01633	0.018	0.0192	0.02	0.0205	0.02075	0.020666	0.0204	0.020166
0.0145	0.01633	0.018	0.0192	0.02	0.0205	0.02075	0.020666	0.0204
0.01	0.0145	0.01633	0.018	0.0192	0.02	0.0205	0.02075	0.020666
0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02	0.0205	0.02075
0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02	0.0205
0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192	0.02
	0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.0192
		0	0.0015	0.005	0.01	0.0145	0.01633	0.018
			0	0.0015	0.005	0.01	0.0145	0.01633
				0	0.0015	0.005	0.01	0.0145
0.503556	0.5088	0.513935	0.518967	0.523877	0.528611	0.531666	0.531087	0.525344
2012	2013	2014	2015	2016	2017	2018	2019	2020

2012	2013	2014	2015	2016	2017	2018	2019	2020
0.503556	0.5088	0.513935	0.518967	0.523877	0.528611	0.531666	0.531087	0.525344
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.221565	0.223872	0.226131	0.228346	0.230506	0.232589	0.233933	0.233678	0.231152

cluded into the “equation”, the livestock supply chain share of total increases to roughly a quarter (25.5

2083	2084	2085	2086	2087	2088	2089	2090	2091
0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001

0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.000616	0.000589	0.000567	0.000562	0.000556	0.000551	0.000545	0.000545	0.000545

0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.000719	0.000687	0.000662	0.000655	0.000649	0.000643	0.000636	0.000636	0.000636

0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.000822	0.000785	0.000756	0.000749	0.000742	0.000735	0.000727	0.000727	0.000727

0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.000925	0.000884	0.000851	0.000843	0.000835	0.000826	0.000818	0.000818	0.000818

0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.001027	0.000982	0.000945	0.000936	0.000927	0.000918	0.000909	0.000909	0.000909

0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001

2021	2022	2023	2024	2025	2026	2027	2028	2029
0.000644	0.000616	0.000589	0.000567	0.000562	0.000556	0.000551	0.000545	0.000545
0.000671	0.000644	0.000616	0.000589	0.000567	0.000562	0.000556	0.000551	0.000545
0.000698	0.000671	0.000644	0.000616	0.000589	0.000567	0.000562	0.000556	0.000551
0.000725	0.000698	0.000671	0.000644	0.000616	0.000589	0.000567	0.000562	0.000556
0.000758	0.000725	0.000698	0.000671	0.000644	0.000616	0.000589	0.000567	0.000562
0.000791	0.000758	0.000725	0.000698	0.000671	0.000644	0.000616	0.000589	0.000567
0.000824	0.000791	0.000758	0.000725	0.000698	0.000671	0.000644	0.000616	0.000589
0.000856	0.000824	0.000791	0.000758	0.000725	0.000698	0.000671	0.000644	0.000616
0.000889	0.000856	0.000824	0.000791	0.000758	0.000725	0.000698	0.000671	0.000644
0.000933	0.000889	0.000856	0.000824	0.000791	0.000758	0.000725	0.000698	0.000671
0.001139	0.001088	0.001037	0.000999	0.000961	0.000923	0.000885	0.000846	0.000815
0.00119	0.001139	0.001088	0.001037	0.000999	0.000961	0.000923	0.000885	0.000846
0.001241	0.00119	0.001139	0.001088	0.001037	0.000999	0.000961	0.000923	0.000885
0.001292	0.001241	0.00119	0.001139	0.001088	0.001037	0.000999	0.000961	0.000923
0.001343	0.001292	0.001241	0.00119	0.001139	0.001088	0.001037	0.000999	0.000961
0.0014	0.001343	0.001292	0.001241	0.00119	0.001139	0.001088	0.001037	0.000999
0.001464	0.0014	0.001343	0.001292	0.001241	0.00119	0.001139	0.001088	0.001037
0.001527	0.001464	0.0014	0.001343	0.001292	0.001241	0.00119	0.001139	0.001088
0.001591	0.001527	0.001464	0.0014	0.001343	0.001292	0.001241	0.00119	0.001139
0.001655	0.001591	0.001527	0.001464	0.0014	0.001343	0.001292	0.001241	0.00119
0.002036	0.001891	0.001818	0.001745	0.001673	0.0016	0.001535	0.001476	0.001418
0.002182	0.002036	0.001891	0.001818	0.001745	0.001673	0.0016	0.001535	0.001476
0.002303	0.002182	0.002036	0.001891	0.001818	0.001745	0.001673	0.0016	0.001535

0.002364	0.002303	0.002182	0.002036	0.001891	0.001818	0.001745	0.001673	0.0016
0.002545	0.002364	0.002303	0.002182	0.002036	0.001891	0.001818	0.001745	0.001673
0.002764	0.002545	0.002364	0.002303	0.002182	0.002036	0.001891	0.001818	0.001745
0.002909	0.002764	0.002545	0.002364	0.002303	0.002182	0.002036	0.001891	0.001818
0.00303	0.002909	0.002764	0.002545	0.002364	0.002303	0.002182	0.002036	0.001891
0.0032	0.00303	0.002909	0.002764	0.002545	0.002364	0.002303	0.002182	0.002036
0.003455	0.0032	0.00303	0.002909	0.002764	0.002545	0.002364	0.002303	0.002182
0.004091	0.003886	0.0036	0.003409	0.003273	0.003109	0.002864	0.002659	0.00259
0.004363	0.004091	0.003886	0.0036	0.003409	0.003273	0.003109	0.002864	0.002659
0.004636	0.004363	0.004091	0.003886	0.0036	0.003409	0.003273	0.003109	0.002864
0.004868	0.004636	0.004363	0.004091	0.003886	0.0036	0.003409	0.003273	0.003109
0.005114	0.004868	0.004636	0.004363	0.004091	0.003886	0.0036	0.003409	0.003273
0.005449	0.005114	0.004868	0.004636	0.004363	0.004091	0.003886	0.0036	0.003409
0.005727	0.005449	0.005114	0.004868	0.004636	0.004363	0.004091	0.003886	0.0036
0.006136	0.005727	0.005449	0.005114	0.004868	0.004636	0.004363	0.004091	0.003886
0.006545	0.006136	0.005727	0.005449	0.005114	0.004868	0.004636	0.004363	0.004091
0.006955	0.006545	0.006136	0.005727	0.005449	0.005114	0.004868	0.004636	0.004363
0.008182	0.007727	0.007273	0.006818	0.006364	0.006055	0.005682	0.005409	0.005151
0.008636	0.008182	0.007727	0.007273	0.006818	0.006364	0.006055	0.005682	0.005409
0.009091	0.008636	0.008182	0.007727	0.007273	0.006818	0.006364	0.006055	0.005682
0.009545	0.009091	0.008636	0.008182	0.007727	0.007273	0.006818	0.006364	0.006055
0.010182	0.009545	0.009091	0.008636	0.008182	0.007727	0.007273	0.006818	0.006364
0.010818	0.010182	0.009545	0.009091	0.008636	0.008182	0.007727	0.007273	0.006818
0.011364	0.010818	0.010182	0.009545	0.009091	0.008636	0.008182	0.007727	0.007273
0.011818	0.011364	0.010818	0.010182	0.009545	0.009091	0.008636	0.008182	0.007727
0.012545	0.011818	0.011364	0.010818	0.010182	0.009545	0.009091	0.008636	0.008182
0.013182	0.012545	0.011818	0.011364	0.010818	0.010182	0.009545	0.009091	0.008636
0.013864	0.013182	0.012545	0.011818	0.011364	0.010818	0.010182	0.009545	0.009091
0.014545	0.013864	0.013182	0.012545	0.011818	0.011364	0.010818	0.010182	0.009545
0.015145	0.014545	0.013864	0.013182	0.012545	0.011818	0.011364	0.010818	0.010182
0.015682	0.015145	0.014545	0.013864	0.013182	0.012545	0.011818	0.011364	0.010818
0.016273	0.015682	0.015145	0.014545	0.013864	0.013182	0.012545	0.011818	0.011364
0.016818	0.016273	0.015682	0.015145	0.014545	0.013864	0.013182	0.012545	0.011818
0.019166	0.0185	0.0179	0.01725	0.01666	0.016	0.01525	0.0145	0.0138
0.01975	0.019166	0.0185	0.0179	0.01725	0.01666	0.016	0.01525	0.0145
0.020166	0.01975	0.019166	0.0185	0.0179	0.01725	0.01666	0.016	0.01525
0.0204	0.020166	0.01975	0.019166	0.0185	0.0179	0.01725	0.01666	0.016
0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179	0.01725	0.01666
0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179	0.01725
0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185	0.0179
0.02	0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166	0.0185
0.0192	0.02	0.0205	0.02075	0.020666	0.0204	0.020166	0.01975	0.019166
0.018	0.0192	0.02	0.0205	0.02075	0.020666	0.0204	0.020166	0.01975
0.01633	0.018	0.0192	0.02	0.0205	0.02075	0.020666	0.0204	0.020166
0.51492	0.502485	0.488204	0.472561	0.455984	0.438777	0.421169	0.403509	0.386005
2021	2022	2023	2024	2025	2026	2027	2028	2029

2021	2022	2023	2024	2025	2026	2027	2028	2029
0.51492	0.502485	0.488204	0.472561	0.455984	0.438777	0.421169	0.403509	0.386005
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.226565	0.221093	0.21481	0.207927	0.200633	0.193062	0.185314	0.177544	0.169842

5%) of the global surface temperature rise that has occurred since 1950.

2092	2093	2094	2095	2096	2097	2098	2099	2100
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636

0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727

0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818

0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909

0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

2030	2031	2032	2033	2034	2035	2036	2037	2038
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000551	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000556	0.000551	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000562	0.000556	0.000551	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000567	0.000562	0.000556	0.000551	0.000545	0.000545	0.000545	0.000545	0.000545
0.000589	0.000567	0.000562	0.000556	0.000551	0.000545	0.000545	0.000545	0.000545
0.000616	0.000589	0.000567	0.000562	0.000556	0.000551	0.000545	0.000545	0.000545
0.000644	0.000616	0.000589	0.000567	0.000562	0.000556	0.000551	0.000545	0.000545
0.000783	0.000751	0.000719	0.000687	0.000662	0.000655	0.000649	0.000643	0.000636
0.000815	0.000783	0.000751	0.000719	0.000687	0.000662	0.000655	0.000649	0.000643
0.000846	0.000815	0.000783	0.000751	0.000719	0.000687	0.000662	0.000655	0.000649
0.000885	0.000846	0.000815	0.000783	0.000751	0.000719	0.000687	0.000662	0.000655
0.000923	0.000885	0.000846	0.000815	0.000783	0.000751	0.000719	0.000687	0.000662
0.000961	0.000923	0.000885	0.000846	0.000815	0.000783	0.000751	0.000719	0.000687
0.000999	0.000961	0.000923	0.000885	0.000846	0.000815	0.000783	0.000751	0.000719
0.001037	0.000999	0.000961	0.000923	0.000885	0.000846	0.000815	0.000783	0.000751
0.001088	0.001037	0.000999	0.000961	0.000923	0.000885	0.000846	0.000815	0.000783
0.001139	0.001088	0.001037	0.000999	0.000961	0.000923	0.000885	0.000846	0.000815
0.00136	0.001302	0.001244	0.001185	0.001142	0.001098	0.001055	0.001011	0.000967
0.001418	0.00136	0.001302	0.001244	0.001185	0.001142	0.001098	0.001055	0.001011
0.001476	0.001418	0.00136	0.001302	0.001244	0.001185	0.001142	0.001098	0.001055

0.001535	0.001476	0.001418	0.00136	0.001302	0.001244	0.001185	0.001142	0.001098
0.0016	0.001535	0.001476	0.001418	0.00136	0.001302	0.001244	0.001185	0.001142
0.001673	0.0016	0.001535	0.001476	0.001418	0.00136	0.001302	0.001244	0.001185
0.001745	0.001673	0.0016	0.001535	0.001476	0.001418	0.00136	0.001302	0.001244
0.001818	0.001745	0.001673	0.0016	0.001535	0.001476	0.001418	0.00136	0.001302
0.001891	0.001818	0.001745	0.001673	0.0016	0.001535	0.001476	0.001418	0.00136
0.002036	0.001891	0.001818	0.001745	0.001673	0.0016	0.001535	0.001476	0.001418
0.002455	0.002291	0.002127	0.002045	0.001964	0.001882	0.0018	0.001726	0.001661
0.00259	0.002455	0.002291	0.002127	0.002045	0.001964	0.001882	0.0018	0.001726
0.002659	0.00259	0.002455	0.002291	0.002127	0.002045	0.001964	0.001882	0.0018
0.002864	0.002659	0.00259	0.002455	0.002291	0.002127	0.002045	0.001964	0.001882
0.003109	0.002864	0.002659	0.00259	0.002455	0.002291	0.002127	0.002045	0.001964
0.003273	0.003109	0.002864	0.002659	0.00259	0.002455	0.002291	0.002127	0.002045
0.003409	0.003273	0.003109	0.002864	0.002659	0.00259	0.002455	0.002291	0.002127
0.0036	0.003409	0.003273	0.003109	0.002864	0.002659	0.00259	0.002455	0.002291
0.003886	0.0036	0.003409	0.003273	0.003109	0.002864	0.002659	0.00259	0.002455
0.004091	0.003886	0.0036	0.003409	0.003273	0.003109	0.002864	0.002659	0.00259
0.004848	0.004545	0.004318	0.004	0.003787	0.003636	0.003455	0.003182	0.002955
0.005151	0.004848	0.004545	0.004318	0.004	0.003787	0.003636	0.003455	0.003182
0.005409	0.005151	0.004848	0.004545	0.004318	0.004	0.003787	0.003636	0.003455
0.005682	0.005409	0.005151	0.004848	0.004545	0.004318	0.004	0.003787	0.003636
0.006055	0.005682	0.005409	0.005151	0.004848	0.004545	0.004318	0.004	0.003787
0.006364	0.006055	0.005682	0.005409	0.005151	0.004848	0.004545	0.004318	0.004
0.006818	0.006364	0.006055	0.005682	0.005409	0.005151	0.004848	0.004545	0.004318
0.007273	0.006818	0.006364	0.006055	0.005682	0.005409	0.005151	0.004848	0.004545
0.007727	0.007273	0.006818	0.006364	0.006055	0.005682	0.005409	0.005151	0.004848
0.008182	0.007727	0.007273	0.006818	0.006364	0.006055	0.005682	0.005409	0.005151
0.008636	0.008182	0.007727	0.007273	0.006818	0.006364	0.006055	0.005682	0.005409
0.009091	0.008636	0.008182	0.007727	0.007273	0.006818	0.006364	0.006055	0.005682
0.009545	0.009091	0.008636	0.008182	0.007727	0.007273	0.006818	0.006364	0.006055
0.010182	0.009545	0.009091	0.008636	0.008182	0.007727	0.007273	0.006818	0.006364
0.010818	0.010182	0.009545	0.009091	0.008636	0.008182	0.007727	0.007273	0.006818
0.011364	0.010818	0.010182	0.009545	0.009091	0.008636	0.008182	0.007727	0.007273
0.013	0.0125	0.0119	0.0112	0.0105	0.01	0.0095	0.009	0.0085
0.0138	0.013	0.0125	0.0119	0.0112	0.0105	0.01	0.0095	0.009
0.0145	0.0138	0.013	0.0125	0.0119	0.0112	0.0105	0.01	0.0095
0.01525	0.0145	0.0138	0.013	0.0125	0.0119	0.0112	0.0105	0.01
0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119	0.0112	0.0105
0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119	0.0112
0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125	0.0119
0.0179	0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013	0.0125
0.0185	0.0179	0.01725	0.01666	0.016	0.01525	0.0145	0.0138	0.013
0.019166	0.0185	0.0179	0.01725	0.01666	0.016	0.01525	0.0145	0.0138
0.01975	0.019166	0.0185	0.0179	0.01725	0.01666	0.016	0.01525	0.0145
0.368606	0.351517	0.334904	0.318842	0.303276	0.288284	0.273803	0.259895	0.246655
2030	2031	2032	2033	2034	2035	2036	2037	2038

2030	2031	2032	2033	2034	2035	2036	2037	2038
0.368606	0.351517	0.334904	0.318842	0.303276	0.288284	0.273803	0.259895	0.246655
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.162187	0.154667	0.147358	0.14029	0.133441	0.126845	0.120473	0.114354	0.108528

2101	2102	2103	2104	2105	2106	2107	2108	2109
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454	0.545454
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363	0.636363
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636

0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272	0.727272
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182	0.818182
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091	0.909091
0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
2039	2040	2041	2042	2043	2044	2045	2046	2047
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000643	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000649	0.000643	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000655	0.000649	0.000643	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000662	0.000655	0.000649	0.000643	0.000636	0.000636	0.000636	0.000636	0.000636
0.000687	0.000662	0.000655	0.000649	0.000643	0.000636	0.000636	0.000636	0.000636
0.000719	0.000687	0.000662	0.000655	0.000649	0.000643	0.000636	0.000636	0.000636
0.000751	0.000719	0.000687	0.000662	0.000655	0.000649	0.000643	0.000636	0.000636
0.000783	0.000751	0.000719	0.000687	0.000662	0.000655	0.000649	0.000643	0.000636
0.000931	0.000895	0.000858	0.000822	0.000785	0.000756	0.000749	0.000742	0.000735
0.000967	0.000931	0.000895	0.000858	0.000822	0.000785	0.000756	0.000749	0.000742
0.001011	0.000967	0.000931	0.000895	0.000858	0.000822	0.000785	0.000756	0.000749

0.001055	0.001011	0.000967	0.000931	0.000895	0.000858	0.000822	0.000785	0.000756
0.001098	0.001055	0.001011	0.000967	0.000931	0.000895	0.000858	0.000822	0.000785
0.001142	0.001098	0.001055	0.001011	0.000967	0.000931	0.000895	0.000858	0.000822
0.001185	0.001142	0.001098	0.001055	0.001011	0.000967	0.000931	0.000895	0.000858
0.001244	0.001185	0.001142	0.001098	0.001055	0.001011	0.000967	0.000931	0.000895
0.001302	0.001244	0.001185	0.001142	0.001098	0.001055	0.001011	0.000967	0.000931
0.00136	0.001302	0.001244	0.001185	0.001142	0.001098	0.001055	0.001011	0.000967
0.001595	0.00153	0.001465	0.001399	0.001334	0.001285	0.001235	0.001186	0.001137
0.001661	0.001595	0.00153	0.001465	0.001399	0.001334	0.001285	0.001235	0.001186
0.001726	0.001661	0.001595	0.00153	0.001465	0.001399	0.001334	0.001285	0.001235
0.0018	0.001726	0.001661	0.001595	0.00153	0.001465	0.001399	0.001334	0.001285
0.001882	0.0018	0.001726	0.001661	0.001595	0.00153	0.001465	0.001399	0.001334
0.001964	0.001882	0.0018	0.001726	0.001661	0.001595	0.00153	0.001465	0.001399
0.002045	0.001964	0.001882	0.0018	0.001726	0.001661	0.001595	0.00153	0.001465
0.002127	0.002045	0.001964	0.001882	0.0018	0.001726	0.001661	0.001595	0.00153
0.002291	0.002127	0.002045	0.001964	0.001882	0.0018	0.001726	0.001661	0.001595
0.002455	0.002291	0.002127	0.002045	0.001964	0.001882	0.0018	0.001726	0.001661
0.002878	0.002727	0.002545	0.002364	0.002273	0.002182	0.002091	0.002	0.001918
0.002955	0.002878	0.002727	0.002545	0.002364	0.002273	0.002182	0.002091	0.002
0.003182	0.002955	0.002878	0.002727	0.002545	0.002364	0.002273	0.002182	0.002091
0.003455	0.003182	0.002955	0.002878	0.002727	0.002545	0.002364	0.002273	0.002182
0.003636	0.003455	0.003182	0.002955	0.002878	0.002727	0.002545	0.002364	0.002273
0.003787	0.003636	0.003455	0.003182	0.002955	0.002878	0.002727	0.002545	0.002364
0.004	0.003787	0.003636	0.003455	0.003182	0.002955	0.002878	0.002727	0.002545
0.004318	0.004	0.003787	0.003636	0.003455	0.003182	0.002955	0.002878	0.002727
0.004545	0.004318	0.004	0.003787	0.003636	0.003455	0.003182	0.002955	0.002878
0.004848	0.004545	0.004318	0.004	0.003787	0.003636	0.003455	0.003182	0.002955
0.005151	0.004848	0.004545	0.004318	0.004	0.003787	0.003636	0.003455	0.003182
0.005409	0.005151	0.004848	0.004545	0.004318	0.004	0.003787	0.003636	0.003455
0.005682	0.005409	0.005151	0.004848	0.004545	0.004318	0.004	0.003787	0.003636
0.006055	0.005682	0.005409	0.005151	0.004848	0.004545	0.004318	0.004	0.003787
0.006364	0.006055	0.005682	0.005409	0.005151	0.004848	0.004545	0.004318	0.004
0.006818	0.006364	0.006055	0.005682	0.005409	0.005151	0.004848	0.004545	0.004318
0.008	0.0075	0.007	0.00666	0.00625	0.00595	0.005666	0.005333	0.005
0.0085	0.008	0.0075	0.007	0.00666	0.00625	0.00595	0.005666	0.005333
0.009	0.0085	0.008	0.0075	0.007	0.00666	0.00625	0.00595	0.005666
0.0095	0.009	0.0085	0.008	0.0075	0.007	0.00666	0.00625	0.00595
0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007	0.00666	0.00625
0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007	0.00666
0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075	0.007
0.0119	0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008	0.0075
0.0125	0.0119	0.0112	0.0105	0.01	0.0095	0.009	0.0085	0.008
0.013	0.0125	0.0119	0.0112	0.0105	0.01	0.0095	0.009	0.0085
0.0138	0.013	0.0125	0.0119	0.0112	0.0105	0.01	0.0095	0.009
0.2341	0.222173	0.21097	0.200206	0.189985	0.180417	0.171509	0.163054	0.155055
2039	2040	2041	2042	2043	2044	2045	2046	2047

2039	2040	2041	2042	2043	2044	2045	2046	2047
0.2341	0.222173	0.21097	0.200206	0.189985	0.180417	0.171509	0.163054	0.155055
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.103004	0.097756	0.092827	0.088091	0.083593	0.079384	0.075464	0.071744	0.068224

2110	2111
0.001	0.001

0.001	0.001
0.545454	0.545454
0.000545	0.000545

0.001	0.001
0.636363	0.636363
0.000636	0.000636

0.001	0.001
0.727272	0.727272
0.000727	0.000727
0.001	0.001
0.818182	0.818182
0.000818	0.000818
0.001	0.001
0.909091	0.909091
0.000909	0.000909
0.001	0.001

2048	2049	2050	2051	2052	2053	2054	2055	2056
0.000545	0.000545	0.000545						
0.000545	0.000545	0.000545	0.000545					
0.000545	0.000545	0.000545	0.000545	0.000545				
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545			
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545		
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545	0.000545
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000735	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000742	0.000735	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727

0.000749	0.000742	0.000735	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000756	0.000749	0.000742	0.000735	0.000727	0.000727	0.000727	0.000727	0.000727
0.000785	0.000756	0.000749	0.000742	0.000735	0.000727	0.000727	0.000727	0.000727
0.000822	0.000785	0.000756	0.000749	0.000742	0.000735	0.000727	0.000727	0.000727
0.000858	0.000822	0.000785	0.000756	0.000749	0.000742	0.000735	0.000727	0.000727
0.000895	0.000858	0.000822	0.000785	0.000756	0.000749	0.000742	0.000735	0.000727
0.000931	0.000895	0.000858	0.000822	0.000785	0.000756	0.000749	0.000742	0.000735
0.001088	0.001047	0.001006	0.000965	0.000925	0.000884	0.000851	0.000843	0.000835
0.001137	0.001088	0.001047	0.001006	0.000965	0.000925	0.000884	0.000851	0.000843
0.001186	0.001137	0.001088	0.001047	0.001006	0.000965	0.000925	0.000884	0.000851
0.001235	0.001186	0.001137	0.001088	0.001047	0.001006	0.000965	0.000925	0.000884
0.001285	0.001235	0.001186	0.001137	0.001088	0.001047	0.001006	0.000965	0.000925
0.001334	0.001285	0.001235	0.001186	0.001137	0.001088	0.001047	0.001006	0.000965
0.001399	0.001334	0.001285	0.001235	0.001186	0.001137	0.001088	0.001047	0.001006
0.001465	0.001399	0.001334	0.001285	0.001235	0.001186	0.001137	0.001088	0.001047
0.00153	0.001465	0.001399	0.001334	0.001285	0.001235	0.001186	0.001137	0.001088
0.001595	0.00153	0.001465	0.001399	0.001334	0.001285	0.001235	0.001186	0.001137
0.001845	0.001773	0.0017	0.001627	0.001555	0.001482	0.001427	0.001373	0.001318
0.001918	0.001845	0.001773	0.0017	0.001627	0.001555	0.001482	0.001427	0.001373
0.002	0.001918	0.001845	0.001773	0.0017	0.001627	0.001555	0.001482	0.001427
0.002091	0.002	0.001918	0.001845	0.001773	0.0017	0.001627	0.001555	0.001482
0.002182	0.002091	0.002	0.001918	0.001845	0.001773	0.0017	0.001627	0.001555
0.002273	0.002182	0.002091	0.002	0.001918	0.001845	0.001773	0.0017	0.001627
0.002364	0.002273	0.002182	0.002091	0.002	0.001918	0.001845	0.001773	0.0017
0.002545	0.002364	0.002273	0.002182	0.002091	0.002	0.001918	0.001845	0.001773
0.002727	0.002545	0.002364	0.002273	0.002182	0.002091	0.002	0.001918	0.001845
0.002878	0.002727	0.002545	0.002364	0.002273	0.002182	0.002091	0.002	0.001918
0.002955	0.002878	0.002727	0.002545	0.002364	0.002273	0.002182	0.002091	0.002
0.003182	0.002955	0.002878	0.002727	0.002545	0.002364	0.002273	0.002182	0.002091
0.003455	0.003182	0.002955	0.002878	0.002727	0.002545	0.002364	0.002273	0.002182
0.003636	0.003455	0.003182	0.002955	0.002878	0.002727	0.002545	0.002364	0.002273
0.003787	0.003636	0.003455	0.003182	0.002955	0.002878	0.002727	0.002545	0.002364
0.004	0.003787	0.003636	0.003455	0.003182	0.002955	0.002878	0.002727	0.002545
0.00475	0.0044	0.004166	0.004	0.0038	0.0035	0.00325	0.003166	0.003
0.005	0.00475	0.0044	0.004166	0.004	0.0038	0.0035	0.00325	0.003166
0.005333	0.005	0.00475	0.0044	0.004166	0.004	0.0038	0.0035	0.00325
0.005666	0.005333	0.005	0.00475	0.0044	0.004166	0.004	0.0038	0.0035
0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166	0.004	0.0038
0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166	0.004
0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044	0.004166
0.007	0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475	0.0044
0.0075	0.007	0.00666	0.00625	0.00595	0.005666	0.005333	0.005	0.00475
0.008	0.0075	0.007	0.00666	0.00625	0.00595	0.005666	0.005333	0.005
0.0085	0.008	0.0075	0.007	0.00666	0.00625	0.00595	0.005666	0.005333
0.14752	0.140441	0.133829	0.127144	0.12093	0.115016	0.10948	0.104231	0.099244
2048	2049	2050	2051	2052	2053	2054	2055	2056

2048	2049	2050	2051	2052	2053	2054	2055	2056
0.14752	0.140441	0.133829	0.127144	0.12093	0.115016	0.10948	0.104231	0.099244
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.064909	0.061794	0.058885	0.055943	0.053209	0.050607	0.048171	0.045862	0.043667

2057	2058	2059	2060	2061	2062	2063	2064	2065
0.000545								
0.000545	0.000545							
0.000545	0.000545	0.000545						
0.000636	0.000636	0.000636	0.000636					
0.000636	0.000636	0.000636	0.000636	0.000636				
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636			
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636		
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636	0.000636
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727

0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000826	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000835	0.000826	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000843	0.000835	0.000826	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000851	0.000843	0.000835	0.000826	0.000818	0.000818	0.000818	0.000818	0.000818
0.000884	0.000851	0.000843	0.000835	0.000826	0.000818	0.000818	0.000818	0.000818
0.000925	0.000884	0.000851	0.000843	0.000835	0.000826	0.000818	0.000818	0.000818
0.000965	0.000925	0.000884	0.000851	0.000843	0.000835	0.000826	0.000818	0.000818
0.001006	0.000965	0.000925	0.000884	0.000851	0.000843	0.000835	0.000826	0.000818
0.001047	0.001006	0.000965	0.000925	0.000884	0.000851	0.000843	0.000835	0.000826
0.001088	0.001047	0.001006	0.000965	0.000925	0.000884	0.000851	0.000843	0.000835
0.001264	0.001209	0.001164	0.001118	0.001073	0.001027	0.000982	0.000945	0.000936
0.001318	0.001264	0.001209	0.001164	0.001118	0.001073	0.001027	0.000982	0.000945
0.001373	0.001318	0.001264	0.001209	0.001164	0.001118	0.001073	0.001027	0.000982
0.001427	0.001373	0.001318	0.001264	0.001209	0.001164	0.001118	0.001073	0.001027
0.001482	0.001427	0.001373	0.001318	0.001264	0.001209	0.001164	0.001118	0.001073
0.001555	0.001482	0.001427	0.001373	0.001318	0.001264	0.001209	0.001164	0.001118
0.001627	0.001555	0.001482	0.001427	0.001373	0.001318	0.001264	0.001209	0.001164
0.0017	0.001627	0.001555	0.001482	0.001427	0.001373	0.001318	0.001264	0.001209
0.001773	0.0017	0.001627	0.001555	0.001482	0.001427	0.001373	0.001318	0.001264
0.001845	0.001773	0.0017	0.001627	0.001555	0.001482	0.001427	0.001373	0.001318
0.001918	0.001845	0.001773	0.0017	0.001627	0.001555	0.001482	0.001427	0.001373
0.002	0.001918	0.001845	0.001773	0.0017	0.001627	0.001555	0.001482	0.001427
0.002091	0.002	0.001918	0.001845	0.001773	0.0017	0.001627	0.001555	0.001482
0.002182	0.002091	0.002	0.001918	0.001845	0.001773	0.0017	0.001627	0.001555
0.002273	0.002182	0.002091	0.002	0.001918	0.001845	0.001773	0.0017	0.001627
0.002364	0.002273	0.002182	0.002091	0.002	0.001918	0.001845	0.001773	0.0017
0.0028	0.0026	0.0025	0.0024	0.0023	0.0022	0.00211	0.00203	0.00195
0.003	0.0028	0.0026	0.0025	0.0024	0.0023	0.0022	0.00211	0.00203
0.003166	0.003	0.0028	0.0026	0.0025	0.0024	0.0023	0.0022	0.00211
0.00325	0.003166	0.003	0.0028	0.0026	0.0025	0.0024	0.0023	0.0022
0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025	0.0024	0.0023
0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025	0.0024
0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026	0.0025
0.004166	0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028	0.0026
0.0044	0.004166	0.004	0.0038	0.0035	0.00325	0.003166	0.003	0.0028
0.00475	0.0044	0.004166	0.004	0.0038	0.0035	0.00325	0.003166	0.003
0.005	0.00475	0.0044	0.004166	0.004	0.0038	0.0035	0.00325	0.003166
0.094566	0.090196	0.086062	0.082265	0.078597	0.075081	0.071753	0.068714	0.065917
2057	2058	2059	2060	2061	2062	2063	2064	2065

2057	2058	2059	2060	2061	2062	2063	2064	2065
0.094566	0.090196	0.086062	0.082265	0.078597	0.075081	0.071753	0.068714	0.065917
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.041609	0.039686	0.037867	0.036196	0.034583	0.033036	0.031571	0.030234	0.029003

2066	2067	2068	2069	2070	2071	2072	2073	2074
0.000636								
0.000636	0.000636							
0.000636	0.000636	0.000636						
0.000636	0.000636	0.000636	0.000636					
0.000727	0.000727	0.000727	0.000727	0.000727				
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727			
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727		

0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727	0.000727
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000826	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818	0.000818
0.000927	0.000918	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909
0.000936	0.000927	0.000918	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909
0.000945	0.000936	0.000927	0.000918	0.000909	0.000909	0.000909	0.000909	0.000909
0.000982	0.000945	0.000936	0.000927	0.000918	0.000909	0.000909	0.000909	0.000909
0.001027	0.000982	0.000945	0.000936	0.000927	0.000918	0.000909	0.000909	0.000909
0.001073	0.001027	0.000982	0.000945	0.000936	0.000927	0.000918	0.000909	0.000909
0.001118	0.001073	0.001027	0.000982	0.000945	0.000936	0.000927	0.000918	0.000909
0.001164	0.001118	0.001073	0.001027	0.000982	0.000945	0.000936	0.000927	0.000918
0.001209	0.001164	0.001118	0.001073	0.001027	0.000982	0.000945	0.000936	0.000927
0.001264	0.001209	0.001164	0.001118	0.001073	0.001027	0.000982	0.000945	0.000936
0.001318	0.001264	0.001209	0.001164	0.001118	0.001073	0.001027	0.000982	0.000945
0.001373	0.001318	0.001264	0.001209	0.001164	0.001118	0.001073	0.001027	0.000982
0.001427	0.001373	0.001318	0.001264	0.001209	0.001164	0.001118	0.001073	0.001027
0.001482	0.001427	0.001373	0.001318	0.001264	0.001209	0.001164	0.001118	0.001073
0.001555	0.001482	0.001427	0.001373	0.001318	0.001264	0.001209	0.001164	0.001118
0.001627	0.001555	0.001482	0.001427	0.001373	0.001318	0.001264	0.001209	0.001164
0.00187	0.00179	0.00171	0.00163	0.00157	0.00151	0.00145	0.00139	0.00133
0.00195	0.00187	0.00179	0.00171	0.00163	0.00157	0.00151	0.00145	0.00139
0.00203	0.00195	0.00187	0.00179	0.00171	0.00163	0.00157	0.00151	0.00145
0.00211	0.00203	0.00195	0.00187	0.00179	0.00171	0.00163	0.00157	0.00151
0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171	0.00163	0.00157
0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171	0.00163
0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179	0.00171
0.0025	0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187	0.00179
0.0026	0.0025	0.0024	0.0023	0.0022	0.00211	0.00203	0.00195	0.00187
0.0028	0.0026	0.0025	0.0024	0.0023	0.0022	0.00211	0.00203	0.00195
0.003	0.0028	0.0026	0.0025	0.0024	0.0023	0.0022	0.00211	0.00203
0.063195	0.060632	0.05826	0.056081	0.053996	0.051915	0.049929	0.048037	0.04623
2066	2067	2068	2069	2070	2071	2072	2073	2074

2066	2067	2068	2069	2070	2071	2072	2073	2074
0.063195	0.060632	0.05826	0.056081	0.053996	0.051915	0.049929	0.048037	0.04623
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
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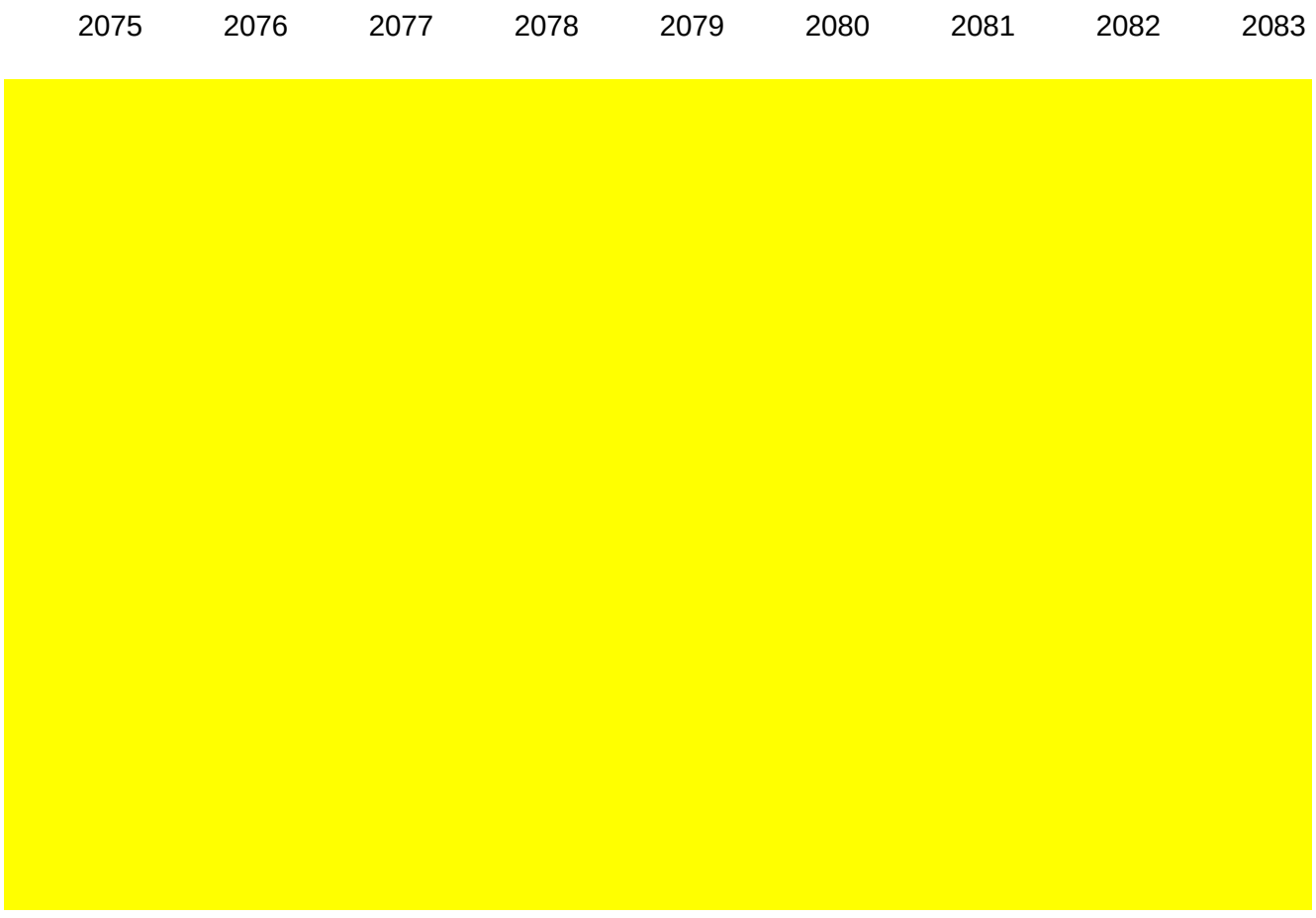
2075
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2083

0.000727								
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0.000727	0.000727	0.000727	0.000727					
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0.000936	0.000927	0.000918	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909
0.000945	0.000936	0.000927	0.000918	0.000909	0.000909	0.000909	0.000909	0.000909
0.000982	0.000945	0.000936	0.000927	0.000918	0.000909	0.000909	0.000909	0.000909
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0.001073	0.001027	0.000982	0.000945	0.000936	0.000927	0.000918	0.000909	0.000909
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0.00133	0.00128	0.00123	0.00118	0.00113	0.00108	0.00104	0.00103	0.00102
0.00139	0.00133	0.00128	0.00123	0.00118	0.00113	0.00108	0.00104	0.00103
0.00145	0.00139	0.00133	0.00128	0.00123	0.00118	0.00113	0.00108	0.00104
0.00151	0.00145	0.00139	0.00133	0.00128	0.00123	0.00118	0.00113	0.00108
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0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128	0.00123	0.00118
0.00171	0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128	0.00123
0.00179	0.00171	0.00163	0.00157	0.00151	0.00145	0.00139	0.00133	0.00128
0.00187	0.00179	0.00171	0.00163	0.00157	0.00151	0.00145	0.00139	0.00133
0.00195	0.00187	0.00179	0.00171	0.00163	0.00157	0.00151	0.00145	0.00139
0.044498	0.042842	0.041261	0.039755	0.038325	0.036972	0.035586	0.03426	0.032993
2075	2076	2077	2078	2079	2080	2081	2082	2083

2075	2076	2077	2078	2079	2080	2081	2082	2083
0.044498	0.042842	0.041261	0.039755	0.038325	0.036972	0.035586	0.03426	0.032993
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
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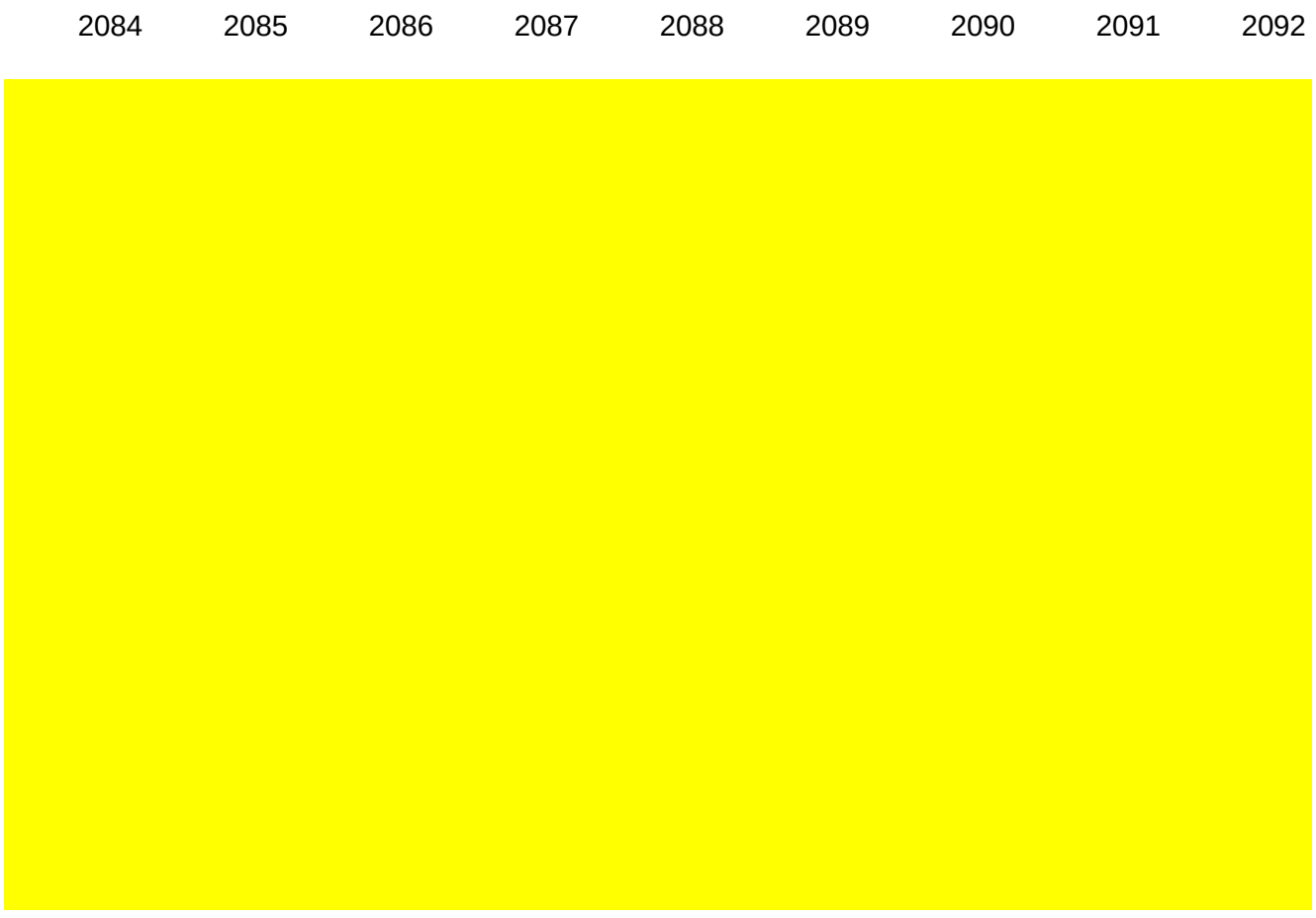
2084
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0.000818								
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0.000818	0.000818	0.000818	0.000818					
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0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001	0.001	0.001
0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001	0.001
0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001	0.001
0.00118	0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001	0.001
0.00123	0.00118	0.00113	0.00108	0.00104	0.00103	0.00102	0.00101	0.001
0.00128	0.00123	0.00118	0.00113	0.00108	0.00104	0.00103	0.00102	0.00101
0.00133	0.00128	0.00123	0.00118	0.00113	0.00108	0.00104	0.00103	0.00102
0.031785	0.030636	0.029538	0.02849	0.027492	0.026544	0.025645	0.024696	0.023757
2084	2085	2086	2087	2088	2089	2090	2091	2092

2084	2085	2086	2087	2088	2089	2090	2091	2092
0.031785	0.030636	0.029538	0.02849	0.027492	0.026544	0.025645	0.024696	0.023757
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
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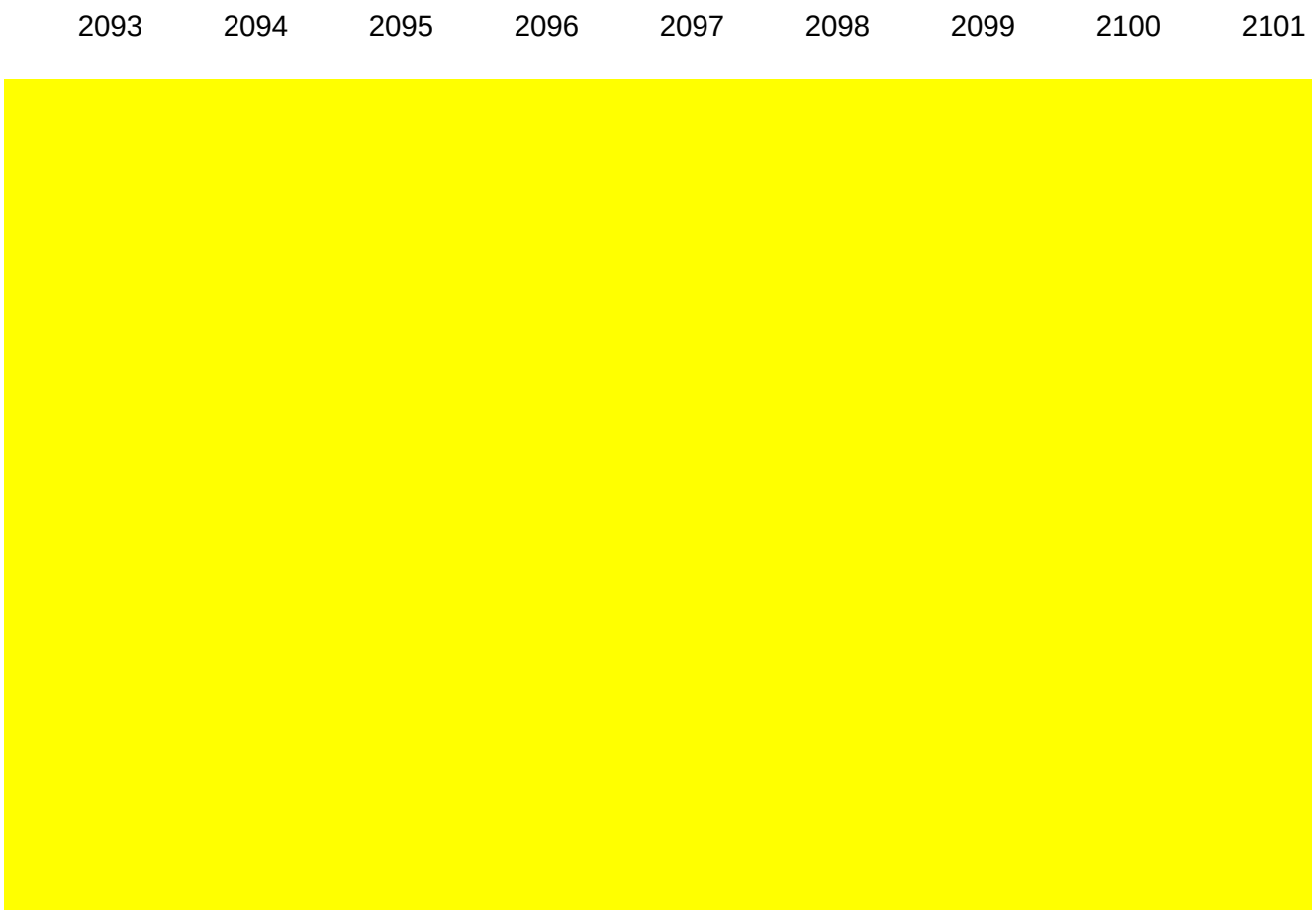
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0.000909	0.000909	0.000909	0.000909					
0.000909	0.000909	0.000909	0.000909	0.000909				
0.000909	0.000909	0.000909	0.000909	0.000909	0.000909			
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0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909
0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909
0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909	0.000909
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.00101	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.022828	0.021909	0.021	0.020091	0.019182	0.018273	0.017364	0.016455	0.015545
2093	2094	2095	2096	2097	2098	2099	2100	2101

2093	2094	2095	2096	2097	2098	2099	2100	2101
0.022828	0.021909	0.021	0.020091	0.019182	0.018273	0.017364	0.016455	0.015545
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.010044	0.00964	0.00924	0.00884	0.00844	0.00804	0.00764	0.00724	0.00684

2102 2103 2104 2105 2106 2107 2108 2109 2110

0.000909								
0.000909	0.000909							
0.000909	0.000909	0.000909						
0.000909	0.000909	0.000909	0.000909					
0.001	0.001	0.001	0.001	0.001				
0.001	0.001	0.001	0.001	0.001	0.001			
0.001	0.001	0.001	0.001	0.001	0.001	0.001		
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
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0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.014636	0.013727	0.012818	0.011909	0.011	0.01	0.009	0.008	0.007
2102	2103	2104	2105	2106	2107	2108	2109	2110

2102	2103	2104	2105	2106	2107	2108	2109	2110
0.014636	0.013727	0.012818	0.011909	0.011	0.01	0.009	0.008	0.007
0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
0.00644	0.00604	0.00564	0.00524	0.00484	0.0044	0.00396	0.00352	0.00308

2111 2112 2113 2114 2115 2116

0.001					
0.001	0.001				
0.001	0.001	0.001			
0.001	0.001	0.001	0.001		
0.001	0.001	0.001	0.001	0.001	
0.001	0.001	0.001	0.001	0.001	0.001
0.006	0.005	0.004	0.003	0.002	0.001
2111	2112	2113	2114	2115	2116

2111	2112	2113	2114	2115	2116
0.006	0.005	0.004	0.003	0.002	0.001
0.44	0.44	0.44	0.44	0.44	0.44
0.00264	0.0022	0.00176	0.00132	0.00088	0.00044

Values derived from Figure 2D, Allen et al., May 2016; Based on Anthropogenic 38 Gt CO2 Puls

2011	2012	2013	2014	2015	2016	2017	2018
0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025

1950-1959 Annual 10 Gt CO2 Pulse Emission - Anthropogenic [approx 1/4]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0	0.000395	0.001315	0.00263	0.003814	0.004295	0.004734	0.005326

1960-1969 Annual 13.8 Gt CO2 Pulse Emission - Anthropogenic [approx 1/3]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0	0.000545	0.0018155	0.003631	0.005265	0.005929	0.006536	0.007353

1970-1979 Annual 19.8 Gt CO2 Pulse Emission - Anthropogenic [approx 1/2]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0	0.000782	0.0026055	0.005211	0.007556	0.00851	0.00938	0.010552

1980-1989 Annual 25.3 Gt CO2 Pulse Emission - Anthropogenic [approx 2/3]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0	0.000999	0.003329	0.006658	0.009654	0.010873	0.011984	0.013482

1990-1999 Annual 28.97 Gt CO2 Pulse Emission - Anthropogenic [approx 3/4]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0	0.001144	0.003812	0.007624	0.011055	0.01245	0.013723	0.015439

2000- 2010 Annual 32.6 Gt CO2 Pulse Emission - Anthropogenic [approx 7/8]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0	0.001287	0.0042895	0.008579	0.01244	0.01401	0.015442	0.017372

2011-2016 Annual 38 Gt CO2 Pulse Emission - Anthropogenic [1/1]

0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025

1950-2016 (1950-1959 -- 10 Gt CO2 Pulse; 1960-1969 -- 13.8 Gt CO2 Pulse; 1970-1979 -- 19.8 (

	1950	1951	1952	1953	1954	1955	1956
1950	0	0.0003945	0.001315	0.00263	0.003814	0.004295	0.004734
1951		0	0.0003945	0.001315	0.00263	0.003814	0.004295
1952			0	0.000395	0.001315	0.00263	0.003814
1953				0	0.000395	0.001315	0.00263
1954					0	0.000395	0.001315
1955						0	0.000395
1956							0
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Sum	0	0.0003945	0.0017095	0.00434	0.008153	0.012448	0.017182
Year	1950	1951	1952	1953	1954	1955	1956

Year	1950	1951	1952	1953	1954	1955	1956
Sum	0	0.0003945	0.0017095	0.00434	0.008153	0.012448	0.017182
LSSC %	0.05	0.05	0.05	0.05	0.05	0.05	0.05
LSSC Value	0	0.000019725	0.000085475	0.000217	0.000408	0.000622	0.000859

LSSC = Livestock Supply Chains

se in 2011 - Global Surface Temperature Change in Degrees Celsius; assume pulse emission occurs c

2019	2020	2021	2022	2023	2024	2025	2026	2027
0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261
0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.005697	0.005983	0.006207	0.006365	0.006549	0.006619	0.006733	0.006799	0.006864
0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.007865	0.008261	0.008569	0.008787	0.009041	0.009138	0.009295	0.009386	0.009477
0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.011287	0.011855	0.012298	0.012611	0.012975	0.013114	0.01334	0.01347	0.013601
0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.014421	0.015147	0.015713	0.016112	0.016578	0.016756	0.017044	0.017211	0.017377
0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.016514	0.017345	0.017993	0.01845	0.018984	0.019187	0.019517	0.019708	0.019899
0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.018582	0.019517	0.020246	0.020761	0.021362	0.02159	0.021962	0.022177	0.022391
0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261

Gt CO2 Pulse; 1980-1989 -- 25.3 Gt CO2 Pulse; 1990-1999 -- 28.97 Gt CO2 Pulse; 2000-2010 -- 32.6

1957	1958	1959	1960	1961	1962	1963	1964	1965
0.005326	0.005697	0.005983	0.006207	0.006365	0.006549	0.006619	0.006733	0.006799
0.004734	0.005326	0.005697	0.005983	0.006207	0.006365	0.006549	0.006619	0.006733
0.004295	0.004734	0.005326	0.005697	0.005983	0.006207	0.006365	0.006549	0.006619
0.003814	0.004295	0.004734	0.005326	0.005697	0.005983	0.006207	0.006365	0.006549
0.00263	0.003814	0.004295	0.004734	0.005326	0.005697	0.005983	0.006207	0.006365
0.001315	0.00263	0.003814	0.004295	0.004734	0.005326	0.005697	0.005983	0.006207
0.000395	0.001315	0.00263	0.003814	0.004295	0.004734	0.005326	0.005697	0.005983
0	0.000395	0.001315	0.00263	0.003814	0.004295	0.004734	0.005326	0.005697
	0	0.000395	0.001315	0.00263	0.003814	0.004295	0.004734	0.005326
		0	0.000395	0.001315	0.00263	0.003814	0.004295	0.004734
			0	0.000545	0.001816	0.003631	0.005265	0.005929
				0	0.000545	0.001816	0.003631	0.005265
					0	0.000545	0.001816	0.003631
						0	0.000545	0.001816
							0	0.000545
								0

0.022508	0.028204	0.034187	0.040394	0.046909	0.053958	0.061578	0.069762	0.078195
1957	1958	1959	1960	1961	1962	1963	1964	1965

1957	1958	1959	1960	1961	1962	1963	1964	1965
0.022508	0.028204	0.034187	0.040394	0.046909	0.053958	0.061578	0.069762	0.078195
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.001125	0.00141	0.001709	0.00202	0.002345	0.002698	0.003079	0.003488	0.00391

on Jan 1 of Emission Year; analysis has applied associated temperature change values on Jan 1 of fol

2028	2029	2030	2031	2032	2033	2034	2035	2036
0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633
0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.006904	0.006925	0.006943	0.00697	0.00697	0.00697	0.006956	0.006943	0.006925
0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.009531	0.00956	0.009586	0.009622	0.009622	0.009622	0.009604	0.009586	0.00956
0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.013679	0.013721	0.013757	0.013809	0.013809	0.013809	0.013783	0.013757	0.013721
0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.017477	0.017531	0.017577	0.017644	0.017644	0.017644	0.01761	0.017577	0.017531
0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.020013	0.020074	0.020127	0.020204	0.020204	0.020204	0.020165	0.020127	0.020074
0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.02252	0.022589	0.022649	0.022734	0.022734	0.022734	0.022691	0.022649	0.022589
0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633

6 Gt CO2 Pulse; 2011-2016 -- 38 Gt CO2 Pulse; Temperature Change in Degrees Celsius)

1966	1967	1968	1969	1970	1971	1972	1973	1974
0.006864	0.006904	0.006925	0.006943	0.00697	0.00697	0.00697	0.006956	0.006943
0.006799	0.006864	0.006904	0.006925	0.006943	0.00697	0.00697	0.00697	0.006956
0.006733	0.006799	0.006864	0.006904	0.006925	0.006943	0.00697	0.00697	0.00697
0.006619	0.006733	0.006799	0.006864	0.006904	0.006925	0.006943	0.00697	0.00697
0.006549	0.006619	0.006733	0.006799	0.006864	0.006904	0.006925	0.006943	0.00697
0.006365	0.006549	0.006619	0.006733	0.006799	0.006864	0.006904	0.006925	0.006943
0.006207	0.006365	0.006549	0.006619	0.006733	0.006799	0.006864	0.006904	0.006925
0.005983	0.006207	0.006365	0.006549	0.006619	0.006733	0.006799	0.006864	0.006904
0.005697	0.005983	0.006207	0.006365	0.006549	0.006619	0.006733	0.006799	0.006864
0.005326	0.005697	0.005983	0.006207	0.006365	0.006549	0.006619	0.006733	0.006799
0.006536	0.007353	0.007865	0.008261	0.008569	0.008787	0.009041	0.009138	0.009295
0.005929	0.006536	0.007353	0.007865	0.008261	0.008569	0.008787	0.009041	0.009138
0.005265	0.005929	0.006536	0.007353	0.007865	0.008261	0.008569	0.008787	0.009041
0.003631	0.005265	0.005929	0.006536	0.007353	0.007865	0.008261	0.008569	0.008787
0.001816	0.003631	0.005265	0.005929	0.006536	0.007353	0.007865	0.008261	0.008569
0.000545	0.001816	0.003631	0.005265	0.005929	0.006536	0.007353	0.007865	0.008261
0	0.000545	0.001816	0.003631	0.005265	0.005929	0.006536	0.007353	0.007865
	0	0.000545	0.001816	0.003631	0.005265	0.005929	0.006536	0.007353
		0	0.000545	0.001816	0.003631	0.005265	0.005929	0.006536
			0	0.000545	0.001816	0.003631	0.005265	0.005929
				0	0.000782	0.002606	0.005211	0.007556
					0	0.000782	0.002606	0.005211
						0	0.000782	0.002606
							0	0.000782
								0

0.086861	0.095792	0.104885	0.114106	0.123437	0.133066	0.143318	0.154374	0.166171

1966	1967	1968	1969	1970	1971	1972	1973	1974

1966	1967	1968	1969	1970	1971	1972	1973	1974

0.086861	0.095792	0.104885	0.114106	0.123437	0.133066	0.143318	0.154374	0.166171
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.004343	0.00479	0.005244	0.005705	0.006172	0.006653	0.007166	0.007719	0.008309

llowing (post-pulse) years.

2037	2038	2039	2040	2041	2042	2043	2044	2045
0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255
0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.006904	0.006877	0.006864	0.006838	0.006812	0.006785	0.006759	0.006733	0.006707
0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.009531	0.009495	0.009477	0.009441	0.009404	0.009368	0.009332	0.009295	0.009259
0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.013679	0.013627	0.013601	0.013549	0.013496	0.013444	0.013392	0.01334	0.013288
0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.017477	0.017411	0.017377	0.017311	0.017244	0.017178	0.017111	0.017044	0.016978
0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.020013	0.019937	0.019899	0.019822	0.019746	0.01967	0.019594	0.019517	0.019441
0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.02252	0.022434	0.022391	0.022305	0.02222	0.022134	0.022048	0.021962	0.021876
0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255

1975	1976	1977	1978	1979	1980	1981	1982	1983
0.006925	0.006904	0.006877	0.006864	0.006838	0.006812	0.006785	0.006759	0.006733
0.006943	0.006925	0.006904	0.006877	0.006864	0.006838	0.006812	0.006785	0.006759
0.006956	0.006943	0.006925	0.006904	0.006877	0.006864	0.006838	0.006812	0.006785
0.00697	0.006956	0.006943	0.006925	0.006904	0.006877	0.006864	0.006838	0.006812
0.00697	0.00697	0.006956	0.006943	0.006925	0.006904	0.006877	0.006864	0.006838
0.00697	0.00697	0.00697	0.006956	0.006943	0.006925	0.006904	0.006877	0.006864
0.006943	0.00697	0.00697	0.00697	0.006956	0.006943	0.006925	0.006904	0.006877
0.006925	0.006943	0.00697	0.00697	0.00697	0.006956	0.006943	0.006925	0.006904
0.006904	0.006925	0.006943	0.00697	0.00697	0.00697	0.006956	0.006943	0.006925
0.006864	0.006904	0.006925	0.006943	0.00697	0.00697	0.00697	0.006956	0.006943
0.009386	0.009477	0.009531	0.00956	0.009586	0.009622	0.009622	0.009622	0.009604
0.009295	0.009386	0.009477	0.009531	0.00956	0.009586	0.009622	0.009622	0.009622
0.009138	0.009295	0.009386	0.009477	0.009531	0.00956	0.009586	0.009622	0.009622
0.009041	0.009138	0.009295	0.009386	0.009477	0.009531	0.00956	0.009586	0.009622
0.008787	0.009041	0.009138	0.009295	0.009386	0.009477	0.009531	0.00956	0.009586
0.008569	0.008787	0.009041	0.009138	0.009295	0.009386	0.009477	0.009531	0.00956
0.008261	0.008569	0.008787	0.009041	0.009138	0.009295	0.009386	0.009477	0.009531
0.007865	0.008261	0.008569	0.008787	0.009041	0.009138	0.009295	0.009386	0.009477
0.007353	0.007865	0.008261	0.008569	0.008787	0.009041	0.009138	0.009295	0.009386
0.006536	0.007353	0.007865	0.008261	0.008569	0.008787	0.009041	0.009138	0.009295
0.00851	0.00938	0.010552	0.011287	0.011855	0.012298	0.012611	0.012975	0.013114
0.007556	0.00851	0.00938	0.010552	0.011287	0.011855	0.012298	0.012611	0.012975
0.005211	0.007556	0.00851	0.00938	0.010552	0.011287	0.011855	0.012298	0.012611
0.002606	0.005211	0.007556	0.00851	0.00938	0.010552	0.011287	0.011855	0.012298
0.000782	0.002606	0.005211	0.007556	0.00851	0.00938	0.010552	0.011287	0.011855
0	0.000782	0.002606	0.005211	0.007556	0.00851	0.00938	0.010552	0.011287
	0	0.000782	0.002606	0.005211	0.007556	0.00851	0.00938	0.010552
		0	0.000782	0.002606	0.005211	0.007556	0.00851	0.00938
			0	0.000782	0.002606	0.005211	0.007556	0.00851
				0	0.000782	0.002606	0.005211	0.007556
					0	0.000999	0.003329	0.006658
						0	0.000999	0.003329
							0	0.000999
								0

0.178263	0.190623	0.203328	0.21625	0.229325	0.242518	0.255997	0.270067	0.28487

1975	1976	1977	1978	1979	1980	1981	1982	1983

1975	1976	1977	1978	1979	1980	1981	1982	1983

0.178263	0.190623	0.203328	0.21625	0.229325	0.242518	0.255997	0.270067	0.28487
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.008913	0.009531	0.010166	0.010813	0.011466	0.012126	0.0128	0.013503	0.014244

2046	2047	2048	2049	2050	2051	2052	2053	2054
0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244
0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.006662	0.006628	0.006601	0.006575	0.006549	0.006536	0.006522	0.006486	0.006417
0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.009197	0.00915	0.009114	0.009078	0.009041	0.009023	0.009005	0.008954	0.00886
0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.013199	0.013132	0.01308	0.013028	0.012975	0.012949	0.012923	0.01285	0.012715
0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.016865	0.016778	0.016712	0.016645	0.016578	0.016545	0.016512	0.016419	0.016246
0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.019312	0.019212	0.019136	0.01906	0.018984	0.018946	0.018908	0.018801	0.018603
0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.021731	0.021619	0.021533	0.021448	0.021362	0.021319	0.021276	0.021156	0.020933
0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244

1984	1985	1986	1987	1988	1989	1990	1991	1992
0.006707	0.006662	0.006628	0.006601	0.006575	0.006549	0.006536	0.006522	0.006486
0.006733	0.006707	0.006662	0.006628	0.006601	0.006575	0.006549	0.006536	0.006522
0.006759	0.006733	0.006707	0.006662	0.006628	0.006601	0.006575	0.006549	0.006536
0.006785	0.006759	0.006733	0.006707	0.006662	0.006628	0.006601	0.006575	0.006549
0.006812	0.006785	0.006759	0.006733	0.006707	0.006662	0.006628	0.006601	0.006575
0.006838	0.006812	0.006785	0.006759	0.006733	0.006707	0.006662	0.006628	0.006601
0.006864	0.006838	0.006812	0.006785	0.006759	0.006733	0.006707	0.006662	0.006628
0.006877	0.006864	0.006838	0.006812	0.006785	0.006759	0.006733	0.006707	0.006662
0.006904	0.006877	0.006864	0.006838	0.006812	0.006785	0.006759	0.006733	0.006707
0.006925	0.006904	0.006877	0.006864	0.006838	0.006812	0.006785	0.006759	0.006733
0.009586	0.00956	0.009531	0.009495	0.009477	0.009441	0.009404	0.009368	0.009332
0.009604	0.009586	0.00956	0.009531	0.009495	0.009477	0.009441	0.009404	0.009368
0.009622	0.009604	0.009586	0.00956	0.009531	0.009495	0.009477	0.009441	0.009404
0.009622	0.009622	0.009604	0.009586	0.00956	0.009531	0.009495	0.009477	0.009441
0.009622	0.009622	0.009622	0.009604	0.009586	0.00956	0.009531	0.009495	0.009477
0.009586	0.009622	0.009622	0.009622	0.009604	0.009586	0.00956	0.009531	0.009495
0.00956	0.009586	0.009622	0.009622	0.009622	0.009604	0.009586	0.00956	0.009531
0.009531	0.00956	0.009586	0.009622	0.009622	0.009622	0.009604	0.009586	0.00956
0.009477	0.009531	0.00956	0.009586	0.009622	0.009622	0.009622	0.009604	0.009586
0.009386	0.009477	0.009531	0.00956	0.009586	0.009622	0.009622	0.009622	0.009604
0.01334	0.01347	0.013601	0.013679	0.013721	0.013757	0.013809	0.013809	0.013809
0.013114	0.01334	0.01347	0.013601	0.013679	0.013721	0.013757	0.013809	0.013809
0.012975	0.013114	0.01334	0.01347	0.013601	0.013679	0.013721	0.013757	0.013809
0.012611	0.012975	0.013114	0.01334	0.01347	0.013601	0.013679	0.013721	0.013757
0.012298	0.012611	0.012975	0.013114	0.01334	0.01347	0.013601	0.013679	0.013721
0.011855	0.012298	0.012611	0.012975	0.013114	0.01334	0.01347	0.013601	0.013679
0.011287	0.011855	0.012298	0.012611	0.012975	0.013114	0.01334	0.01347	0.013601
0.010552	0.011287	0.011855	0.012298	0.012611	0.012975	0.013114	0.01334	0.01347
0.00938	0.010552	0.011287	0.011855	0.012298	0.012611	0.012975	0.013114	0.01334
0.00851	0.00938	0.010552	0.011287	0.011855	0.012298	0.012611	0.012975	0.013114
0.009654	0.010873	0.011984	0.013482	0.014421	0.015147	0.015713	0.016112	0.016578
0.006658	0.009654	0.010873	0.011984	0.013482	0.014421	0.015147	0.015713	0.016112
0.003329	0.006658	0.009654	0.010873	0.011984	0.013482	0.014421	0.015147	0.015713
0.000999	0.003329	0.006658	0.009654	0.010873	0.011984	0.013482	0.014421	0.015147
0	0.000999	0.003329	0.006658	0.009654	0.010873	0.011984	0.013482	0.014421
	0	0.000999	0.003329	0.006658	0.009654	0.010873	0.011984	0.013482
		0	0.000999	0.003329	0.006658	0.009654	0.010873	0.011984
			0	0.000999	0.003329	0.006658	0.009654	0.010873
				0	0.000999	0.003329	0.006658	0.009654
					0	0.000999	0.003329	0.006658
						0	0.001144	0.003812
							0	0.001144
								0

0.300362	0.316107	0.332091	0.348387	0.364869	0.381484	0.398214	0.415152	0.432484

1984	1985	1986	1987	1988	1989	1990	1991	1992

1984	1985	1986	1987	1988	1989	1990	1991	1992
0.300362	0.316107	0.332091	0.348387	0.364869	0.381484	0.398214	0.415152	0.432484
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.015018	0.015805	0.016605	0.017419	0.018243	0.019074	0.019911	0.020758	0.021624

2055	2056	2057	2058	2059	2060	2061	2062	2063
0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366
0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.006378	0.006351	0.006325	0.006312	0.006299	0.006273	0.006246	0.006233	0.006223
0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.008805	0.008769	0.008733	0.008714	0.008696	0.00866	0.008624	0.008605	0.008591
0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.012637	0.012585	0.012532	0.012506	0.01248	0.012428	0.012376	0.01235	0.012329
0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.016146	0.016079	0.016012	0.015979	0.015946	0.015879	0.015813	0.015779	0.015753
0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.018488	0.018412	0.018336	0.018298	0.018259	0.018183	0.018107	0.018069	0.018038
0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.020804	0.020718	0.020632	0.02059	0.020547	0.020461	0.020375	0.020332	0.020298
0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366

1993	1994	1995	1996	1997	1998	1999	2000	2001
0.006417	0.006378	0.006351	0.006325	0.006312	0.006299	0.006273	0.006246	0.006233
0.006486	0.006417	0.006378	0.006351	0.006325	0.006312	0.006299	0.006273	0.006246
0.006522	0.006486	0.006417	0.006378	0.006351	0.006325	0.006312	0.006299	0.006273
0.006536	0.006522	0.006486	0.006417	0.006378	0.006351	0.006325	0.006312	0.006299
0.006549	0.006536	0.006522	0.006486	0.006417	0.006378	0.006351	0.006325	0.006312
0.006575	0.006549	0.006536	0.006522	0.006486	0.006417	0.006378	0.006351	0.006325
0.006601	0.006575	0.006549	0.006536	0.006522	0.006486	0.006417	0.006378	0.006351
0.006628	0.006601	0.006575	0.006549	0.006536	0.006522	0.006486	0.006417	0.006378
0.006662	0.006628	0.006601	0.006575	0.006549	0.006536	0.006522	0.006486	0.006417
0.006707	0.006662	0.006628	0.006601	0.006575	0.006549	0.006536	0.006522	0.006486
0.009295	0.009259	0.009197	0.00915	0.009114	0.009078	0.009041	0.009023	0.009005
0.009332	0.009295	0.009259	0.009197	0.00915	0.009114	0.009078	0.009041	0.009023
0.009368	0.009332	0.009295	0.009259	0.009197	0.00915	0.009114	0.009078	0.009041
0.009404	0.009368	0.009332	0.009295	0.009259	0.009197	0.00915	0.009114	0.009078
0.009441	0.009404	0.009368	0.009332	0.009295	0.009259	0.009197	0.00915	0.009114
0.009477	0.009441	0.009404	0.009368	0.009332	0.009295	0.009259	0.009197	0.00915
0.009495	0.009477	0.009441	0.009404	0.009368	0.009332	0.009295	0.009259	0.009197
0.009531	0.009495	0.009477	0.009441	0.009404	0.009368	0.009332	0.009295	0.009259
0.00956	0.009531	0.009495	0.009477	0.009441	0.009404	0.009368	0.009332	0.009295
0.009586	0.00956	0.009531	0.009495	0.009477	0.009441	0.009404	0.009368	0.009332
0.013783	0.013757	0.013721	0.013679	0.013627	0.013601	0.013549	0.013496	0.013444
0.013809	0.013783	0.013757	0.013721	0.013679	0.013627	0.013601	0.013549	0.013496
0.013809	0.013809	0.013783	0.013757	0.013721	0.013679	0.013627	0.013601	0.013549
0.013809	0.013809	0.013809	0.013783	0.013757	0.013721	0.013679	0.013627	0.013601
0.013757	0.013809	0.013809	0.013809	0.013783	0.013757	0.013721	0.013679	0.013627
0.013721	0.013757	0.013809	0.013809	0.013809	0.013783	0.013757	0.013721	0.013679
0.013679	0.013721	0.013757	0.013809	0.013809	0.013809	0.013783	0.013757	0.013721
0.013601	0.013679	0.013721	0.013757	0.013809	0.013809	0.013809	0.013783	0.013757
0.01347	0.013601	0.013679	0.013721	0.013757	0.013809	0.013809	0.013809	0.013783
0.01334	0.01347	0.013601	0.013679	0.013721	0.013757	0.013809	0.013809	0.013809
0.016756	0.017044	0.017211	0.017377	0.017477	0.017531	0.017577	0.017644	0.017644
0.016578	0.016756	0.017044	0.017211	0.017377	0.017477	0.017531	0.017577	0.017644
0.016112	0.016578	0.016756	0.017044	0.017211	0.017377	0.017477	0.017531	0.017577
0.015713	0.016112	0.016578	0.016756	0.017044	0.017211	0.017377	0.017477	0.017531
0.015147	0.015713	0.016112	0.016578	0.016756	0.017044	0.017211	0.017377	0.017477
0.014421	0.015147	0.015713	0.016112	0.016578	0.016756	0.017044	0.017211	0.017377
0.013482	0.014421	0.015147	0.015713	0.016112	0.016578	0.016756	0.017044	0.017211
0.011984	0.013482	0.014421	0.015147	0.015713	0.016112	0.016578	0.016756	0.017044
0.010873	0.011984	0.013482	0.014421	0.015147	0.015713	0.016112	0.016578	0.016756
0.009654	0.010873	0.011984	0.013482	0.014421	0.015147	0.015713	0.016112	0.016578
0.007624	0.011055	0.01245	0.013723	0.015439	0.016514	0.017345	0.017993	0.01845
0.003812	0.007624	0.011055	0.01245	0.013723	0.015439	0.016514	0.017345	0.017993
0.001144	0.003812	0.007624	0.011055	0.01245	0.013723	0.015439	0.016514	0.017345
0	0.001144	0.003812	0.007624	0.011055	0.01245	0.013723	0.015439	0.016514
	0	0.001144	0.003812	0.007624	0.011055	0.01245	0.013723	0.015439
		0	0.001144	0.003812	0.007624	0.011055	0.01245	0.013723
			0	0.001144	0.003812	0.007624	0.011055	0.01245

0	0.001144	0.003812	0.007624	0.011055
	0	0.001144	0.003812	0.007624
		0	0.001144	0.003812
			0	0.001287
				0

0.45025	0.468456	0.486822	0.505332	0.524043	0.54287	0.561761	0.580701	0.599809

1993	1994	1995	1996	1997	1998	1999	2000	2001

1993	1994	1995	1996	1997	1998	1999	2000	2001
0.45025	0.468456	0.486822	0.505332	0.524043	0.54287	0.561761	0.580701	0.599809
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.022512	0.023423	0.024341	0.025267	0.026202	0.027144	0.028088	0.029035	0.02999

2064	2065	2066	2067	2068	2069	2070	2071	2072
0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285
0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.006181	0.006136	0.006115	0.006088	0.006062	0.006049	0.006036	0.006023	0.00601
0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.008533	0.008471	0.008442	0.008406	0.008369	0.008351	0.008333	0.008315	0.008297
0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.012246	0.012157	0.012116	0.012063	0.012011	0.011985	0.011959	0.011933	0.011907
0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.015646	0.015533	0.01548	0.015413	0.015347	0.015313	0.01528	0.015247	0.015214
0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.017916	0.017787	0.017726	0.01765	0.017573	0.017535	0.017497	0.017459	0.017421
0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.020161	0.020015	0.019946	0.01986	0.019775	0.019732	0.019689	0.019646	0.019603
0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285

2002	2003	2004	2005	2006	2007	2008	2009	2010
0.006223	0.006181	0.006136	0.006115	0.006088	0.006062	0.006049	0.006036	0.006023
0.006233	0.006223	0.006181	0.006136	0.006115	0.006088	0.006062	0.006049	0.006036
0.006246	0.006233	0.006223	0.006181	0.006136	0.006115	0.006088	0.006062	0.006049
0.006273	0.006246	0.006233	0.006223	0.006181	0.006136	0.006115	0.006088	0.006062
0.006299	0.006273	0.006246	0.006233	0.006223	0.006181	0.006136	0.006115	0.006088
0.006312	0.006299	0.006273	0.006246	0.006233	0.006223	0.006181	0.006136	0.006115
0.006325	0.006312	0.006299	0.006273	0.006246	0.006233	0.006223	0.006181	0.006136
0.006351	0.006325	0.006312	0.006299	0.006273	0.006246	0.006233	0.006223	0.006181
0.006378	0.006351	0.006325	0.006312	0.006299	0.006273	0.006246	0.006233	0.006223
0.006417	0.006378	0.006351	0.006325	0.006312	0.006299	0.006273	0.006246	0.006233
0.008954	0.00886	0.008805	0.008769	0.008733	0.008714	0.008696	0.00866	0.008624
0.009005	0.008954	0.00886	0.008805	0.008769	0.008733	0.008714	0.008696	0.00866
0.009023	0.009005	0.008954	0.00886	0.008805	0.008769	0.008733	0.008714	0.008696
0.009041	0.009023	0.009005	0.008954	0.00886	0.008805	0.008769	0.008733	0.008714
0.009078	0.009041	0.009023	0.009005	0.008954	0.00886	0.008805	0.008769	0.008733
0.009114	0.009078	0.009041	0.009023	0.009005	0.008954	0.00886	0.008805	0.008769
0.00915	0.009114	0.009078	0.009041	0.009023	0.009005	0.008954	0.00886	0.008805
0.009197	0.00915	0.009114	0.009078	0.009041	0.009023	0.009005	0.008954	0.00886
0.009259	0.009197	0.00915	0.009114	0.009078	0.009041	0.009023	0.009005	0.008954
0.009295	0.009259	0.009197	0.00915	0.009114	0.009078	0.009041	0.009023	0.009005
0.013392	0.01334	0.013288	0.013199	0.013132	0.01308	0.013028	0.012975	0.012949
0.013444	0.013392	0.01334	0.013288	0.013199	0.013132	0.01308	0.013028	0.012975
0.013496	0.013444	0.013392	0.01334	0.013288	0.013199	0.013132	0.01308	0.013028
0.013549	0.013496	0.013444	0.013392	0.01334	0.013288	0.013199	0.013132	0.01308
0.013601	0.013549	0.013496	0.013444	0.013392	0.01334	0.013288	0.013199	0.013132
0.013627	0.013601	0.013549	0.013496	0.013444	0.013392	0.01334	0.013288	0.013199
0.013679	0.013627	0.013601	0.013549	0.013496	0.013444	0.013392	0.01334	0.013288
0.013721	0.013679	0.013627	0.013601	0.013549	0.013496	0.013444	0.013392	0.01334
0.013757	0.013721	0.013679	0.013627	0.013601	0.013549	0.013496	0.013444	0.013392
0.013783	0.013757	0.013721	0.013679	0.013627	0.013601	0.013549	0.013496	0.013444
0.017644	0.01761	0.017577	0.017531	0.017477	0.017411	0.017377	0.017311	0.017244
0.017644	0.017644	0.01761	0.017577	0.017531	0.017477	0.017411	0.017377	0.017311
0.017644	0.017644	0.017644	0.01761	0.017577	0.017531	0.017477	0.017411	0.017377
0.017577	0.017644	0.017644	0.017644	0.01761	0.017577	0.017531	0.017477	0.017411
0.017531	0.017577	0.017644	0.017644	0.017644	0.01761	0.017577	0.017531	0.017477
0.017477	0.017531	0.017577	0.017644	0.017644	0.017644	0.01761	0.017577	0.017531
0.017377	0.017477	0.017531	0.017577	0.017644	0.017644	0.017644	0.01761	0.017577
0.017211	0.017377	0.017477	0.017531	0.017577	0.017644	0.017644	0.017644	0.01761
0.017044	0.017211	0.017377	0.017477	0.017531	0.017577	0.017644	0.017644	0.017644
0.016756	0.017044	0.017211	0.017377	0.017477	0.017531	0.017577	0.017644	0.017644
0.018984	0.019187	0.019517	0.019708	0.019899	0.020013	0.020074	0.020127	0.020204
0.01845	0.018984	0.019187	0.019517	0.019708	0.019899	0.020013	0.020074	0.020127
0.017993	0.01845	0.018984	0.019187	0.019517	0.019708	0.019899	0.020013	0.020074
0.017345	0.017993	0.01845	0.018984	0.019187	0.019517	0.019708	0.019899	0.020013
0.016514	0.017345	0.017993	0.01845	0.018984	0.019187	0.019517	0.019708	0.019899
0.015439	0.016514	0.017345	0.017993	0.01845	0.018984	0.019187	0.019517	0.019708
0.013723	0.015439	0.016514	0.017345	0.017993	0.01845	0.018984	0.019187	0.019517

0.01245	0.013723	0.015439	0.016514	0.017345	0.017993	0.01845	0.018984	0.019187
0.011055	0.01245	0.013723	0.015439	0.016514	0.017345	0.017993	0.01845	0.018984
0.007624	0.011055	0.01245	0.013723	0.015439	0.016514	0.017345	0.017993	0.01845
0.00429	0.008579	0.01244	0.01401	0.015442	0.017372	0.018582	0.019517	0.020246
0.001287	0.00429	0.008579	0.01244	0.01401	0.015442	0.017372	0.018582	0.019517
0	0.001287	0.00429	0.008579	0.01244	0.01401	0.015442	0.017372	0.018582
	0	0.001287	0.00429	0.008579	0.01244	0.01401	0.015442	0.017372
		0	0.001287	0.00429	0.008579	0.01244	0.01401	0.015442
			0	0.001287	0.00429	0.008579	0.01244	0.01401
				0	0.001287	0.00429	0.008579	0.01244
					0	0.001287	0.00429	0.008579
						0	0.001287	0.00429
							0	0.001287
								0

0.619278	0.639159	0.659429	0.67983	0.700346	0.72103	0.741815	0.762657	0.783545

2002	2003	2004	2005	2006	2007	2008	2009	2010

2002	2003	2004	2005	2006	2007	2008	2009	2010
0.619278	0.639159	0.659429	0.67983	0.700346	0.72103	0.741815	0.762657	0.783545
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.030964	0.031958	0.032971	0.033991	0.035017	0.036051	0.037091	0.038133	0.039177

2073	2074	2075	2076	2077	2078	2079	2080	2081
0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212
0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.005996	0.005983	0.00596	0.005931	0.005904	0.005873	0.005839	0.005825	0.005818
0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.008279	0.008261	0.008228	0.008188	0.008152	0.008108	0.008061	0.008043	0.008032
0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.011881	0.011855	0.011808	0.011751	0.011699	0.011636	0.011568	0.011542	0.011527
0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.01518	0.015147	0.015087	0.015014	0.014947	0.014867	0.014781	0.014747	0.014727
0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.017383	0.017345	0.017276	0.017192	0.017116	0.017024	0.016925	0.016887	0.016864
0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.01956	0.019517	0.01944	0.019346	0.01926	0.019157	0.019045	0.019002	0.018977
0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212

2011	2012	2013	2014	2015	2016	2017	2018	2019
0.00601	0.005996	0.005983	0.00596	0.005931	0.005904	0.005873	0.005839	0.005825
0.006023	0.00601	0.005996	0.005983	0.00596	0.005931	0.005904	0.005873	0.005839
0.006036	0.006023	0.00601	0.005996	0.005983	0.00596	0.005931	0.005904	0.005873
0.006049	0.006036	0.006023	0.00601	0.005996	0.005983	0.00596	0.005931	0.005904
0.006062	0.006049	0.006036	0.006023	0.00601	0.005996	0.005983	0.00596	0.005931
0.006088	0.006062	0.006049	0.006036	0.006023	0.00601	0.005996	0.005983	0.00596
0.006115	0.006088	0.006062	0.006049	0.006036	0.006023	0.00601	0.005996	0.005983
0.006136	0.006115	0.006088	0.006062	0.006049	0.006036	0.006023	0.00601	0.005996
0.006181	0.006136	0.006115	0.006088	0.006062	0.006049	0.006036	0.006023	0.00601
0.006223	0.006181	0.006136	0.006115	0.006088	0.006062	0.006049	0.006036	0.006023
0.008605	0.008591	0.008533	0.008471	0.008442	0.008406	0.008369	0.008351	0.008333
0.008624	0.008605	0.008591	0.008533	0.008471	0.008442	0.008406	0.008369	0.008351
0.00866	0.008624	0.008605	0.008591	0.008533	0.008471	0.008442	0.008406	0.008369
0.008696	0.00866	0.008624	0.008605	0.008591	0.008533	0.008471	0.008442	0.008406
0.008714	0.008696	0.00866	0.008624	0.008605	0.008591	0.008533	0.008471	0.008442
0.008733	0.008714	0.008696	0.00866	0.008624	0.008605	0.008591	0.008533	0.008471
0.008769	0.008733	0.008714	0.008696	0.00866	0.008624	0.008605	0.008591	0.008533
0.008805	0.008769	0.008733	0.008714	0.008696	0.00866	0.008624	0.008605	0.008591
0.00886	0.008805	0.008769	0.008733	0.008714	0.008696	0.00866	0.008624	0.008605
0.008954	0.00886	0.008805	0.008769	0.008733	0.008714	0.008696	0.00866	0.008624
0.012923	0.01285	0.012715	0.012637	0.012585	0.012532	0.012506	0.01248	0.012428
0.012949	0.012923	0.01285	0.012715	0.012637	0.012585	0.012532	0.012506	0.01248
0.012975	0.012949	0.012923	0.01285	0.012715	0.012637	0.012585	0.012532	0.012506
0.013028	0.012975	0.012949	0.012923	0.01285	0.012715	0.012637	0.012585	0.012532
0.01308	0.013028	0.012975	0.012949	0.012923	0.01285	0.012715	0.012637	0.012585
0.013132	0.01308	0.013028	0.012975	0.012949	0.012923	0.01285	0.012715	0.012637
0.013199	0.013132	0.01308	0.013028	0.012975	0.012949	0.012923	0.01285	0.012715
0.013288	0.013199	0.013132	0.01308	0.013028	0.012975	0.012949	0.012923	0.01285
0.01334	0.013288	0.013199	0.013132	0.01308	0.013028	0.012975	0.012949	0.012923
0.013392	0.01334	0.013288	0.013199	0.013132	0.01308	0.013028	0.012975	0.012949
0.017178	0.017111	0.017044	0.016978	0.016865	0.016778	0.016712	0.016645	0.016578
0.017244	0.017178	0.017111	0.017044	0.016978	0.016865	0.016778	0.016712	0.016645
0.017311	0.017244	0.017178	0.017111	0.017044	0.016978	0.016865	0.016778	0.016712
0.017377	0.017311	0.017244	0.017178	0.017111	0.017044	0.016978	0.016865	0.016778
0.017411	0.017377	0.017311	0.017244	0.017178	0.017111	0.017044	0.016978	0.016865
0.017477	0.017411	0.017377	0.017311	0.017244	0.017178	0.017111	0.017044	0.016978
0.017531	0.017477	0.017411	0.017377	0.017311	0.017244	0.017178	0.017111	0.017044
0.017577	0.017531	0.017477	0.017411	0.017377	0.017311	0.017244	0.017178	0.017111
0.01761	0.017577	0.017531	0.017477	0.017411	0.017377	0.017311	0.017244	0.017178
0.017644	0.01761	0.017577	0.017531	0.017477	0.017411	0.017377	0.017311	0.017244
0.020204	0.020204	0.020165	0.020127	0.020074	0.020013	0.019937	0.019899	0.019822
0.020204	0.020204	0.020204	0.020165	0.020127	0.020074	0.020013	0.019937	0.019899
0.020127	0.020204	0.020204	0.020204	0.020165	0.020127	0.020074	0.020013	0.019937
0.020074	0.020127	0.020204	0.020204	0.020204	0.020165	0.020127	0.020074	0.020013
0.020013	0.020074	0.020127	0.020204	0.020204	0.020204	0.020165	0.020127	0.020074
0.019899	0.020013	0.020074	0.020127	0.020204	0.020204	0.020204	0.020165	0.020127
0.019708	0.019899	0.020013	0.020074	0.020127	0.020204	0.020204	0.020204	0.020165

0.019517	0.019708	0.019899	0.020013	0.020074	0.020127	0.020204	0.020204	0.020204
0.019187	0.019517	0.019708	0.019899	0.020013	0.020074	0.020127	0.020204	0.020204
0.018984	0.019187	0.019517	0.019708	0.019899	0.020013	0.020074	0.020127	0.020204
0.020761	0.021362	0.02159	0.021962	0.022177	0.022391	0.02252	0.022589	0.022649
0.020246	0.020761	0.021362	0.02159	0.021962	0.022177	0.022391	0.02252	0.022589
0.019517	0.020246	0.020761	0.021362	0.02159	0.021962	0.022177	0.022391	0.02252
0.018582	0.019517	0.020246	0.020761	0.021362	0.02159	0.021962	0.022177	0.022391
0.017372	0.018582	0.019517	0.020246	0.020761	0.021362	0.02159	0.021962	0.022177
0.015442	0.017372	0.018582	0.019517	0.020246	0.020761	0.021362	0.02159	0.021962
0.01401	0.015442	0.017372	0.018582	0.019517	0.020246	0.020761	0.021362	0.02159
0.01244	0.01401	0.015442	0.017372	0.018582	0.019517	0.020246	0.020761	0.021362
0.008579	0.01244	0.01401	0.015442	0.017372	0.018582	0.019517	0.020246	0.020761
0.00429	0.008579	0.01244	0.01401	0.015442	0.017372	0.018582	0.019517	0.020246
0.001287	0.00429	0.008579	0.01244	0.01401	0.015442	0.017372	0.018582	0.019517
0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025	0.02166
	0	0.0015	0.005	0.01	0.0145	0.01633	0.018	0.02025
		0	0.0015	0.005	0.01	0.0145	0.01633	0.018
			0	0.0015	0.005	0.01	0.0145	0.01633
				0	0.0015	0.005	0.01	0.0145
					0	0.0015	0.005	0.01
0.80445	0.825581	0.847145	0.869377	0.892189	0.915205	0.9384	0.960356	0.978961
2011	2012	2013	2014	2015	2016	2017	2018	2019
2011	2012	2013	2014	2015	2016	2017	2018	2019
0.80445	0.825581	0.847145	0.869377	0.892189	0.915205	0.9384	0.960356	0.978961
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.040222	0.041279	0.042357	0.043469	0.044609	0.04576	0.04692	0.048018	0.048948

2082	2083	2084	2085	2086	2087	2088	2089	2090
0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185

0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.00581	0.005802	0.005794	0.005786	0.005778	0.00577	0.005762	0.005754	0.005747

0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.008021	0.00801	0.007999	0.007988	0.007977	0.007966	0.007956	0.007945	0.007934

0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.011511	0.011495	0.01148	0.011464	0.011449	0.011433	0.011417	0.011402	0.011386

0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.014708	0.014688	0.014668	0.014648	0.014628	0.014608	0.014588	0.014568	0.014548

0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.016841	0.016819	0.016796	0.016773	0.01675	0.016727	0.016704	0.016681	0.016658

0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.018951	0.018925	0.0189	0.018874	0.018848	0.018822	0.018797	0.018771	0.018745

0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185

2020	2021	2022	2023	2024	2025	2026	2027	2028
0.005818	0.00581	0.005802	0.005794	0.005786	0.005778	0.00577	0.005762	0.005754
0.005825	0.005818	0.00581	0.005802	0.005794	0.005786	0.005778	0.00577	0.005762
0.005839	0.005825	0.005818	0.00581	0.005802	0.005794	0.005786	0.005778	0.00577
0.005873	0.005839	0.005825	0.005818	0.00581	0.005802	0.005794	0.005786	0.005778
0.005904	0.005873	0.005839	0.005825	0.005818	0.00581	0.005802	0.005794	0.005786
0.005931	0.005904	0.005873	0.005839	0.005825	0.005818	0.00581	0.005802	0.005794
0.00596	0.005931	0.005904	0.005873	0.005839	0.005825	0.005818	0.00581	0.005802
0.005983	0.00596	0.005931	0.005904	0.005873	0.005839	0.005825	0.005818	0.00581
0.005996	0.005983	0.00596	0.005931	0.005904	0.005873	0.005839	0.005825	0.005818
0.00601	0.005996	0.005983	0.00596	0.005931	0.005904	0.005873	0.005839	0.005825
0.008315	0.008297	0.008279	0.008261	0.008228	0.008188	0.008152	0.008108	0.008061
0.008333	0.008315	0.008297	0.008279	0.008261	0.008228	0.008188	0.008152	0.008108
0.008351	0.008333	0.008315	0.008297	0.008279	0.008261	0.008228	0.008188	0.008152
0.008369	0.008351	0.008333	0.008315	0.008297	0.008279	0.008261	0.008228	0.008188
0.008406	0.008369	0.008351	0.008333	0.008315	0.008297	0.008279	0.008261	0.008228
0.008442	0.008406	0.008369	0.008351	0.008333	0.008315	0.008297	0.008279	0.008261
0.008471	0.008442	0.008406	0.008369	0.008351	0.008333	0.008315	0.008297	0.008279
0.008533	0.008471	0.008442	0.008406	0.008369	0.008351	0.008333	0.008315	0.008297
0.008591	0.008533	0.008471	0.008442	0.008406	0.008369	0.008351	0.008333	0.008315
0.008605	0.008591	0.008533	0.008471	0.008442	0.008406	0.008369	0.008351	0.008333
0.012376	0.01235	0.012329	0.012246	0.012157	0.012116	0.012063	0.012011	0.011985
0.012428	0.012376	0.01235	0.012329	0.012246	0.012157	0.012116	0.012063	0.012011
0.01248	0.012428	0.012376	0.01235	0.012329	0.012246	0.012157	0.012116	0.012063
0.012506	0.01248	0.012428	0.012376	0.01235	0.012329	0.012246	0.012157	0.012116
0.012532	0.012506	0.01248	0.012428	0.012376	0.01235	0.012329	0.012246	0.012157
0.012585	0.012532	0.012506	0.01248	0.012428	0.012376	0.01235	0.012329	0.012246
0.012637	0.012585	0.012532	0.012506	0.01248	0.012428	0.012376	0.01235	0.012329
0.012715	0.012637	0.012585	0.012532	0.012506	0.01248	0.012428	0.012376	0.01235
0.01285	0.012715	0.012637	0.012585	0.012532	0.012506	0.01248	0.012428	0.012376
0.012923	0.01285	0.012715	0.012637	0.012585	0.012532	0.012506	0.01248	0.012428
0.016545	0.016512	0.016419	0.016246	0.016146	0.016079	0.016012	0.015979	0.015946
0.016578	0.016545	0.016512	0.016419	0.016246	0.016146	0.016079	0.016012	0.015979
0.016645	0.016578	0.016545	0.016512	0.016419	0.016246	0.016146	0.016079	0.016012
0.016712	0.016645	0.016578	0.016545	0.016512	0.016419	0.016246	0.016146	0.016079
0.016778	0.016712	0.016645	0.016578	0.016545	0.016512	0.016419	0.016246	0.016146
0.016865	0.016778	0.016712	0.016645	0.016578	0.016545	0.016512	0.016419	0.016246
0.016978	0.016865	0.016778	0.016712	0.016645	0.016578	0.016545	0.016512	0.016419
0.017044	0.016978	0.016865	0.016778	0.016712	0.016645	0.016578	0.016545	0.016512
0.017111	0.017044	0.016978	0.016865	0.016778	0.016712	0.016645	0.016578	0.016545
0.017178	0.017111	0.017044	0.016978	0.016865	0.016778	0.016712	0.016645	0.016578
0.019746	0.01967	0.019594	0.019517	0.019441	0.019312	0.019212	0.019136	0.01906
0.019822	0.019746	0.01967	0.019594	0.019517	0.019441	0.019312	0.019212	0.019136
0.019899	0.019822	0.019746	0.01967	0.019594	0.019517	0.019441	0.019312	0.019212
0.019937	0.019899	0.019822	0.019746	0.01967	0.019594	0.019517	0.019441	0.019312
0.020013	0.019937	0.019899	0.019822	0.019746	0.01967	0.019594	0.019517	0.019441
0.020074	0.020013	0.019937	0.019899	0.019822	0.019746	0.01967	0.019594	0.019517
0.020127	0.020074	0.020013	0.019937	0.019899	0.019822	0.019746	0.01967	0.019594

0.020165	0.020127	0.020074	0.020013	0.019937	0.019899	0.019822	0.019746	0.01967
0.020204	0.020165	0.020127	0.020074	0.020013	0.019937	0.019899	0.019822	0.019746
0.020204	0.020204	0.020165	0.020127	0.020074	0.020013	0.019937	0.019899	0.019822
0.022734	0.022734	0.022734	0.022691	0.022649	0.022589	0.02252	0.022434	0.022391
0.022649	0.022734	0.022734	0.022734	0.022691	0.022649	0.022589	0.02252	0.022434
0.022589	0.022649	0.022734	0.022734	0.022734	0.022691	0.022649	0.022589	0.02252
0.02252	0.022589	0.022649	0.022734	0.022734	0.022734	0.022691	0.022649	0.022589
0.022391	0.02252	0.022589	0.022649	0.022734	0.022734	0.022734	0.022691	0.022649
0.022177	0.022391	0.02252	0.022589	0.022649	0.022734	0.022734	0.022734	0.022691
0.021962	0.022177	0.022391	0.02252	0.022589	0.022649	0.022734	0.022734	0.022734
0.02159	0.021962	0.022177	0.022391	0.02252	0.022589	0.022649	0.022734	0.022734
0.021362	0.02159	0.021962	0.022177	0.022391	0.02252	0.022589	0.022649	0.022734
0.020761	0.021362	0.02159	0.021962	0.022177	0.022391	0.02252	0.022589	0.022649
0.020246	0.020761	0.021362	0.02159	0.021962	0.022177	0.022391	0.02252	0.022589
0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261	0.02625
0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585	0.0261
0.02025	0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256	0.02585
0.018	0.02025	0.02166	0.02275	0.0236	0.0242	0.0249	0.025166	0.0256
0.01633	0.018	0.02025	0.02166	0.02275	0.0236	0.0242	0.0249	0.025166
0.0145	0.01633	0.018	0.02025	0.02166	0.02275	0.0236	0.0242	0.0249

0.992684	1.001991	1.009504	1.015356	1.018916	1.021058	1.022078	1.022221	1.021735

2020	2021	2022	2023	2024	2025	2026	2027	2028

2020	2021	2022	2023	2024	2025	2026	2027	2028
0.992684	1.001991	1.009504	1.015356	1.018916	1.021058	1.022078	1.022221	1.021735
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.049634	0.0501	0.050475	0.050768	0.050946	0.051053	0.051104	0.051111	0.051087

2091	2092	2093	2094	2095	2096	2097	2098	2099
0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214

0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.005736	0.005726	0.057176	0.005707	0.005697	0.005681	0.005665	0.005649	0.005628

0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.007919	0.007905	0.078938	0.007879	0.007865	0.007843	0.007821	0.007799	0.00777

0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.011365	0.011344	0.113287	0.011308	0.011287	0.011256	0.011224	0.011193	0.011152

0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.014521	0.014494	0.144745	0.014448	0.014421	0.014381	0.014341	0.014301	0.014248

0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.016628	0.016597	0.165746	0.016544	0.016514	0.016468	0.016422	0.016376	0.016315

0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.018711	0.018676	0.186507	0.018616	0.018582	0.018531	0.018479	0.018428	0.018359

0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214

2029	2030	2031	2032	2033	2034	2035	2036	2037
0.005747	0.005736	0.005726	0.057176	0.005707	0.005697	0.005681	0.005665	0.005649
0.005754	0.005747	0.005736	0.005726	0.057176	0.005707	0.005697	0.005681	0.005665
0.005762	0.005754	0.005747	0.005736	0.005726	0.057176	0.005707	0.005697	0.005681
0.00577	0.005762	0.005754	0.005747	0.005736	0.005726	0.057176	0.005707	0.005697
0.005778	0.00577	0.005762	0.005754	0.005747	0.005736	0.005726	0.057176	0.005707
0.005786	0.005778	0.00577	0.005762	0.005754	0.005747	0.005736	0.005726	0.057176
0.005794	0.005786	0.005778	0.00577	0.005762	0.005754	0.005747	0.005736	0.005726
0.005802	0.005794	0.005786	0.005778	0.00577	0.005762	0.005754	0.005747	0.005736
0.00581	0.005802	0.005794	0.005786	0.005778	0.00577	0.005762	0.005754	0.005747
0.005818	0.00581	0.005802	0.005794	0.005786	0.005778	0.00577	0.005762	0.005754
0.008043	0.008032	0.008021	0.00801	0.007999	0.007988	0.007977	0.007966	0.007956
0.008061	0.008043	0.008032	0.008021	0.00801	0.007999	0.007988	0.007977	0.007966
0.008108	0.008061	0.008043	0.008032	0.008021	0.00801	0.007999	0.007988	0.007977
0.008152	0.008108	0.008061	0.008043	0.008032	0.008021	0.00801	0.007999	0.007988
0.008188	0.008152	0.008108	0.008061	0.008043	0.008032	0.008021	0.00801	0.007999
0.008228	0.008188	0.008152	0.008108	0.008061	0.008043	0.008032	0.008021	0.00801
0.008261	0.008228	0.008188	0.008152	0.008108	0.008061	0.008043	0.008032	0.008021
0.008279	0.008261	0.008228	0.008188	0.008152	0.008108	0.008061	0.008043	0.008032
0.008297	0.008279	0.008261	0.008228	0.008188	0.008152	0.008108	0.008061	0.008043
0.008315	0.008297	0.008279	0.008261	0.008228	0.008188	0.008152	0.008108	0.008061
0.011959	0.011933	0.011907	0.011881	0.011855	0.011808	0.011751	0.011699	0.011636
0.011985	0.011959	0.011933	0.011907	0.011881	0.011855	0.011808	0.011751	0.011699
0.012011	0.011985	0.011959	0.011933	0.011907	0.011881	0.011855	0.011808	0.011751
0.012063	0.012011	0.011985	0.011959	0.011933	0.011907	0.011881	0.011855	0.011808
0.012116	0.012063	0.012011	0.011985	0.011959	0.011933	0.011907	0.011881	0.011855
0.012157	0.012116	0.012063	0.012011	0.011985	0.011959	0.011933	0.011907	0.011881
0.012246	0.012157	0.012116	0.012063	0.012011	0.011985	0.011959	0.011933	0.011907
0.012329	0.012246	0.012157	0.012116	0.012063	0.012011	0.011985	0.011959	0.011933
0.01235	0.012329	0.012246	0.012157	0.012116	0.012063	0.012011	0.011985	0.011959
0.012376	0.01235	0.012329	0.012246	0.012157	0.012116	0.012063	0.012011	0.011985
0.015879	0.015813	0.015779	0.015753	0.015646	0.015533	0.01548	0.015413	0.015347
0.015946	0.015879	0.015813	0.015779	0.015753	0.015646	0.015533	0.01548	0.015413
0.015979	0.015946	0.015879	0.015813	0.015779	0.015753	0.015646	0.015533	0.01548
0.016012	0.015979	0.015946	0.015879	0.015813	0.015779	0.015753	0.015646	0.015533
0.016079	0.016012	0.015979	0.015946	0.015879	0.015813	0.015779	0.015753	0.015646
0.016146	0.016079	0.016012	0.015979	0.015946	0.015879	0.015813	0.015779	0.015753
0.016246	0.016146	0.016079	0.016012	0.015979	0.015946	0.015879	0.015813	0.015779
0.016419	0.016246	0.016146	0.016079	0.016012	0.015979	0.015946	0.015879	0.015813
0.016512	0.016419	0.016246	0.016146	0.016079	0.016012	0.015979	0.015946	0.015879
0.016545	0.016512	0.016419	0.016246	0.016146	0.016079	0.016012	0.015979	0.015946
0.018984	0.018946	0.018908	0.018801	0.018603	0.018488	0.018412	0.018336	0.018298
0.01906	0.018984	0.018946	0.018908	0.018801	0.018603	0.018488	0.018412	0.018336
0.019136	0.01906	0.018984	0.018946	0.018908	0.018801	0.018603	0.018488	0.018412
0.019212	0.019136	0.01906	0.018984	0.018946	0.018908	0.018801	0.018603	0.018488
0.019312	0.019212	0.019136	0.01906	0.018984	0.018946	0.018908	0.018801	0.018603
0.019441	0.019312	0.019212	0.019136	0.01906	0.018984	0.018946	0.018908	0.018801
0.019517	0.019441	0.019312	0.019212	0.019136	0.01906	0.018984	0.018946	0.018908

0.019594	0.019517	0.019441	0.019312	0.019212	0.019136	0.01906	0.018984	0.018946
0.01967	0.019594	0.019517	0.019441	0.019312	0.019212	0.019136	0.01906	0.018984
0.019746	0.01967	0.019594	0.019517	0.019441	0.019312	0.019212	0.019136	0.01906
0.022305	0.02222	0.022134	0.022048	0.021962	0.021876	0.021731	0.021619	0.021533
0.022391	0.022305	0.02222	0.022134	0.022048	0.021962	0.021876	0.021731	0.021619
0.022434	0.022391	0.022305	0.02222	0.022134	0.022048	0.021962	0.021876	0.021731
0.02252	0.022434	0.022391	0.022305	0.02222	0.022134	0.022048	0.021962	0.021876
0.022589	0.02252	0.022434	0.022391	0.022305	0.02222	0.022134	0.022048	0.021962
0.022649	0.022589	0.02252	0.022434	0.022391	0.022305	0.02222	0.022134	0.022048
0.022691	0.022649	0.022589	0.02252	0.022434	0.022391	0.022305	0.02222	0.022134
0.022734	0.022691	0.022649	0.022589	0.02252	0.022434	0.022391	0.022305	0.02222
0.022734	0.022734	0.022691	0.022649	0.022589	0.02252	0.022434	0.022391	0.022305
0.022734	0.022734	0.022734	0.022691	0.022649	0.022589	0.02252	0.022434	0.022391
0.022649	0.022734	0.022734	0.022734	0.022691	0.022649	0.022589	0.02252	0.022434
0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633	0.02625
0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264	0.02633
0.0261	0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645	0.0264
0.02585	0.0261	0.02625	0.02633	0.0264	0.0265	0.0265	0.0265	0.02645
0.0256	0.02585	0.0261	0.02625	0.02633	0.0264	0.0265	0.0265	0.0265
0.025166	0.0256	0.02585	0.0261	0.02625	0.02633	0.0264	0.0265	0.0265
1.020506	1.01897	1.016972	1.066135	1.063509	1.06065	1.057631	1.05446	1.051112
2029	2030	2031	2032	2033	2034	2035	2036	2037
2029	2030	2031	2032	2033	2034	2035	2036	2037
1.020506	1.01897	1.016972	1.066135	1.063509	1.06065	1.057631	1.05446	1.051112
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.051025	0.050949	0.050849	0.053307	0.053175	0.053033	0.052882	0.052723	0.052556

2100	2101	2102	2103	2104	2105	2106	2107	2108
0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106
0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106
0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
0.00561	0.005597	0.005583	0.005576	0.005568	0.005562	0.005555	0.005547	0.005539
0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106
0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631	0.3631
0.007745	0.007727	0.007709	0.007698	0.007687	0.00768	0.007669	0.007658	0.007647
0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106
0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211	0.5211
0.011115	0.011089	0.011063	0.011047	0.011032	0.011021	0.011006	0.01099	0.010974
0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106
0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658	0.6658
0.014202	0.014168	0.014135	0.014115	0.014095	0.014082	0.014062	0.014042	0.014022
0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106
0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624	0.7624
0.016262	0.016224	0.016186	0.016163	0.01614	0.016125	0.016102	0.016079	0.016056
0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106
0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579	0.8579
0.018299	0.018256	0.018213	0.018187	0.018162	0.018145	0.018119	0.018093	0.018067
0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106

2038	2039	2040	2041	2042	2043	2044	2045	2046
0.005628	0.00561	0.005597	0.005583	0.005576	0.005568	0.005562	0.005555	0.005547
0.005649	0.005628	0.00561	0.005597	0.005583	0.005576	0.005568	0.005562	0.005555
0.005665	0.005649	0.005628	0.00561	0.005597	0.005583	0.005576	0.005568	0.005562
0.005681	0.005665	0.005649	0.005628	0.00561	0.005597	0.005583	0.005576	0.005568
0.005697	0.005681	0.005665	0.005649	0.005628	0.00561	0.005597	0.005583	0.005576
0.005707	0.005697	0.005681	0.005665	0.005649	0.005628	0.00561	0.005597	0.005583
0.057176	0.005707	0.005697	0.005681	0.005665	0.005649	0.005628	0.00561	0.005597
0.005726	0.057176	0.005707	0.005697	0.005681	0.005665	0.005649	0.005628	0.00561
0.005736	0.005726	0.057176	0.005707	0.005697	0.005681	0.005665	0.005649	0.005628
0.005747	0.005736	0.005726	0.057176	0.005707	0.005697	0.005681	0.005665	0.005649
0.007945	0.007934	0.007919	0.007905	0.078938	0.007879	0.007865	0.007843	0.007821
0.007956	0.007945	0.007934	0.007919	0.007905	0.078938	0.007879	0.007865	0.007843
0.007966	0.007956	0.007945	0.007934	0.007919	0.007905	0.078938	0.007879	0.007865
0.007977	0.007966	0.007956	0.007945	0.007934	0.007919	0.007905	0.078938	0.007879
0.007988	0.007977	0.007966	0.007956	0.007945	0.007934	0.007919	0.007905	0.078938
0.007999	0.007988	0.007977	0.007966	0.007956	0.007945	0.007934	0.007919	0.007905
0.00801	0.007999	0.007988	0.007977	0.007966	0.007956	0.007945	0.007934	0.007919
0.008021	0.00801	0.007999	0.007988	0.007977	0.007966	0.007956	0.007945	0.007934
0.008032	0.008021	0.00801	0.007999	0.007988	0.007977	0.007966	0.007956	0.007945
0.008043	0.008032	0.008021	0.00801	0.007999	0.007988	0.007977	0.007966	0.007956
0.011568	0.011542	0.011527	0.011511	0.011495	0.01148	0.011464	0.011449	0.011433
0.011636	0.011568	0.011542	0.011527	0.011511	0.011495	0.01148	0.011464	0.011449
0.011699	0.011636	0.011568	0.011542	0.011527	0.011511	0.011495	0.01148	0.011464
0.011751	0.011699	0.011636	0.011568	0.011542	0.011527	0.011511	0.011495	0.01148
0.011808	0.011751	0.011699	0.011636	0.011568	0.011542	0.011527	0.011511	0.011495
0.011855	0.011808	0.011751	0.011699	0.011636	0.011568	0.011542	0.011527	0.011511
0.011881	0.011855	0.011808	0.011751	0.011699	0.011636	0.011568	0.011542	0.011527
0.011907	0.011881	0.011855	0.011808	0.011751	0.011699	0.011636	0.011568	0.011542
0.011933	0.011907	0.011881	0.011855	0.011808	0.011751	0.011699	0.011636	0.011568
0.011959	0.011933	0.011907	0.011881	0.011855	0.011808	0.011751	0.011699	0.011636
0.015313	0.01528	0.015247	0.015214	0.01518	0.015147	0.015087	0.015014	0.014947
0.015347	0.015313	0.01528	0.015247	0.015214	0.01518	0.015147	0.015087	0.015014
0.015413	0.015347	0.015313	0.01528	0.015247	0.015214	0.01518	0.015147	0.015087
0.01548	0.015413	0.015347	0.015313	0.01528	0.015247	0.015214	0.01518	0.015147
0.015533	0.01548	0.015413	0.015347	0.015313	0.01528	0.015247	0.015214	0.01518
0.015646	0.015533	0.01548	0.015413	0.015347	0.015313	0.01528	0.015247	0.015214
0.015753	0.015646	0.015533	0.01548	0.015413	0.015347	0.015313	0.01528	0.015247
0.015779	0.015753	0.015646	0.015533	0.01548	0.015413	0.015347	0.015313	0.01528
0.015813	0.015779	0.015753	0.015646	0.015533	0.01548	0.015413	0.015347	0.015313
0.015879	0.015813	0.015779	0.015753	0.015646	0.015533	0.01548	0.015413	0.015347
0.018259	0.018183	0.018107	0.018069	0.018038	0.017916	0.017787	0.017726	0.01765
0.018298	0.018259	0.018183	0.018107	0.018069	0.018038	0.017916	0.017787	0.017726
0.018336	0.018298	0.018259	0.018183	0.018107	0.018069	0.018038	0.017916	0.017787
0.018412	0.018336	0.018298	0.018259	0.018183	0.018107	0.018069	0.018038	0.017916
0.018488	0.018412	0.018336	0.018298	0.018259	0.018183	0.018107	0.018069	0.018038
0.018603	0.018488	0.018412	0.018336	0.018298	0.018259	0.018183	0.018107	0.018069
0.018801	0.018603	0.018488	0.018412	0.018336	0.018298	0.018259	0.018183	0.018107

0.018908	0.018801	0.018603	0.018488	0.018412	0.018336	0.018298	0.018259	0.018183
0.018946	0.018908	0.018801	0.018603	0.018488	0.018412	0.018336	0.018298	0.018259
0.018984	0.018946	0.018908	0.018801	0.018603	0.018488	0.018412	0.018336	0.018298
0.021448	0.021362	0.021319	0.021276	0.021156	0.020933	0.020804	0.020718	0.020632
0.021533	0.021448	0.021362	0.021319	0.021276	0.021156	0.020933	0.020804	0.020718
0.021619	0.021533	0.021448	0.021362	0.021319	0.021276	0.021156	0.020933	0.020804
0.021731	0.021619	0.021533	0.021448	0.021362	0.021319	0.021276	0.021156	0.020933
0.021876	0.021731	0.021619	0.021533	0.021448	0.021362	0.021319	0.021276	0.021156
0.021962	0.021876	0.021731	0.021619	0.021533	0.021448	0.021362	0.021319	0.021276
0.022048	0.021962	0.021876	0.021731	0.021619	0.021533	0.021448	0.021362	0.021319
0.022134	0.022048	0.021962	0.021876	0.021731	0.021619	0.021533	0.021448	0.021362
0.02222	0.022134	0.022048	0.021962	0.021876	0.021731	0.021619	0.021533	0.021448
0.022305	0.02222	0.022134	0.022048	0.021962	0.021876	0.021731	0.021619	0.021533
0.022391	0.022305	0.02222	0.022134	0.022048	0.021962	0.021876	0.021731	0.021619
0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255	0.02533
0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256	0.0255
0.02633	0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257	0.0256
0.0264	0.02633	0.02625	0.02615	0.0261	0.026	0.0259	0.0258	0.0257
0.02645	0.0264	0.02633	0.02625	0.02615	0.0261	0.026	0.0259	0.0258
0.0265	0.02645	0.0264	0.02633	0.02625	0.02615	0.0261	0.026	0.0259

1.047683	1.044191	1.040692	1.037189	1.053288	1.049803	1.046346	1.042872	1.039423

2038	2039	2040	2041	2042	2043	2044	2045	2046

2038	2039	2040	2041	2042	2043	2044	2045	2046
1.047683	1.044191	1.040692	1.037189	1.053288	1.049803	1.046346	1.042872	1.039423
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.052384	0.05221	0.052035	0.051859	0.052664	0.05249	0.052317	0.052144	0.051971

2109	2110	2111
0.02103	0.021	0.021

0.02103	0.021	0.021
0.263	0.263	0.263
0.005531	0.005523	0.005523

0.02103	0.021	0.021
0.3631	0.3631	0.3631
0.007636	0.007625	0.007625

0.02103	0.021	0.021
0.5211	0.5211	0.5211
0.010959	0.010943	0.010943

0.02103	0.021	0.021
0.6658	0.6658	0.6658
0.014002	0.013982	0.013982

0.02103	0.021	0.021
0.7624	0.7624	0.7624
0.016033	0.01601	0.01601

0.02103	0.021	0.021
0.8579	0.8579	0.8579
0.018042	0.018016	0.018016

0.02103	0.021	0.021

2047	2048	2049	2050	2051	2052	2053	2054	2055
0.005539	0.005531	0.005523	0.005523					
0.005547	0.005539	0.005531	0.005523	0.005523				
0.005555	0.005547	0.005539	0.005531	0.005523	0.005523			
0.005562	0.005555	0.005547	0.005539	0.005531	0.005523	0.005523		
0.005568	0.005562	0.005555	0.005547	0.005539	0.005531	0.005523	0.005523	
0.005576	0.005568	0.005562	0.005555	0.005547	0.005539	0.005531	0.005523	0.005523
0.005583	0.005576	0.005568	0.005562	0.005555	0.005547	0.005539	0.005531	0.005523
0.005597	0.005583	0.005576	0.005568	0.005562	0.005555	0.005547	0.005539	0.005531
0.00561	0.005597	0.005583	0.005576	0.005568	0.005562	0.005555	0.005547	0.005539
0.005628	0.00561	0.005597	0.005583	0.005576	0.005568	0.005562	0.005555	0.005547
0.007799	0.00777	0.007745	0.007727	0.007709	0.007698	0.007687	0.00768	0.007669
0.007821	0.007799	0.00777	0.007745	0.007727	0.007709	0.007698	0.007687	0.00768
0.007843	0.007821	0.007799	0.00777	0.007745	0.007727	0.007709	0.007698	0.007687
0.007865	0.007843	0.007821	0.007799	0.00777	0.007745	0.007727	0.007709	0.007698
0.007879	0.007865	0.007843	0.007821	0.007799	0.00777	0.007745	0.007727	0.007709
0.078938	0.007879	0.007865	0.007843	0.007821	0.007799	0.00777	0.007745	0.007727
0.007905	0.078938	0.007879	0.007865	0.007843	0.007821	0.007799	0.00777	0.007745
0.007919	0.007905	0.078938	0.007879	0.007865	0.007843	0.007821	0.007799	0.00777
0.007934	0.007919	0.007905	0.078938	0.007879	0.007865	0.007843	0.007821	0.007799
0.007945	0.007934	0.007919	0.007905	0.078938	0.007879	0.007865	0.007843	0.007821
0.011417	0.011402	0.011386	0.011365	0.011344	0.113287	0.011308	0.011287	0.011256
0.011433	0.011417	0.011402	0.011386	0.011365	0.011344	0.113287	0.011308	0.011287
0.011449	0.011433	0.011417	0.011402	0.011386	0.011365	0.011344	0.113287	0.011308
0.011464	0.011449	0.011433	0.011417	0.011402	0.011386	0.011365	0.011344	0.113287
0.01148	0.011464	0.011449	0.011433	0.011417	0.011402	0.011386	0.011365	0.011344
0.011495	0.01148	0.011464	0.011449	0.011433	0.011417	0.011402	0.011386	0.011365
0.011511	0.011495	0.01148	0.011464	0.011449	0.011433	0.011417	0.011402	0.011386
0.011527	0.011511	0.011495	0.01148	0.011464	0.011449	0.011433	0.011417	0.011402
0.011542	0.011527	0.011511	0.011495	0.01148	0.011464	0.011449	0.011433	0.011417
0.011568	0.011542	0.011527	0.011511	0.011495	0.01148	0.011464	0.011449	0.011433
0.014867	0.014781	0.014747	0.014727	0.014708	0.014688	0.014668	0.014648	0.014628
0.014947	0.014867	0.014781	0.014747	0.014727	0.014708	0.014688	0.014668	0.014648
0.015014	0.014947	0.014867	0.014781	0.014747	0.014727	0.014708	0.014688	0.014668
0.015087	0.015014	0.014947	0.014867	0.014781	0.014747	0.014727	0.014708	0.014688
0.015147	0.015087	0.015014	0.014947	0.014867	0.014781	0.014747	0.014727	0.014708
0.01518	0.015147	0.015087	0.015014	0.014947	0.014867	0.014781	0.014747	0.014727
0.015214	0.01518	0.015147	0.015087	0.015014	0.014947	0.014867	0.014781	0.014747
0.015247	0.015214	0.01518	0.015147	0.015087	0.015014	0.014947	0.014867	0.014781
0.01528	0.015247	0.015214	0.01518	0.015147	0.015087	0.015014	0.014947	0.014867
0.015313	0.01528	0.015247	0.015214	0.01518	0.015147	0.015087	0.015014	0.014947
0.017573	0.017535	0.017497	0.017459	0.017421	0.017383	0.017345	0.017276	0.017192
0.01765	0.017573	0.017535	0.017497	0.017459	0.017421	0.017383	0.017345	0.017276
0.017726	0.01765	0.017573	0.017535	0.017497	0.017459	0.017421	0.017383	0.017345
0.017787	0.017726	0.01765	0.017573	0.017535	0.017497	0.017459	0.017421	0.017383
0.017916	0.017787	0.017726	0.01765	0.017573	0.017535	0.017497	0.017459	0.017421
0.018038	0.017916	0.017787	0.017726	0.01765	0.017573	0.017535	0.017497	0.017459
0.018069	0.018038	0.017916	0.017787	0.017726	0.01765	0.017573	0.017535	0.017497

0.018107	0.018069	0.018038	0.017916	0.017787	0.017726	0.01765	0.017573	0.017535
0.018183	0.018107	0.018069	0.018038	0.017916	0.017787	0.017726	0.01765	0.017573
0.018259	0.018183	0.018107	0.018069	0.018038	0.017916	0.017787	0.017726	0.01765
0.02059	0.020547	0.020461	0.020375	0.020332	0.020298	0.020161	0.020015	0.019946
0.020632	0.02059	0.020547	0.020461	0.020375	0.020332	0.020298	0.020161	0.020015
0.020718	0.020632	0.02059	0.020547	0.020461	0.020375	0.020332	0.020298	0.020161
0.020804	0.020718	0.020632	0.02059	0.020547	0.020461	0.020375	0.020332	0.020298
0.020933	0.020804	0.020718	0.020632	0.02059	0.020547	0.020461	0.020375	0.020332
0.021156	0.020933	0.020804	0.020718	0.020632	0.02059	0.020547	0.020461	0.020375
0.021276	0.021156	0.020933	0.020804	0.020718	0.020632	0.02059	0.020547	0.020461
0.021319	0.021276	0.021156	0.020933	0.020804	0.020718	0.020632	0.02059	0.020547
0.021362	0.021319	0.021276	0.021156	0.020933	0.020804	0.020718	0.020632	0.02059
0.021448	0.021362	0.021319	0.021276	0.021156	0.020933	0.020804	0.020718	0.020632
0.021533	0.021448	0.021362	0.021319	0.021276	0.021156	0.020933	0.020804	0.020718
0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244	0.02425
0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466	0.0244
0.0255	0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248	0.02466
0.0256	0.0255	0.02533	0.0252	0.0251	0.025	0.0249	0.02485	0.0248
0.0257	0.0256	0.0255	0.02533	0.0252	0.0251	0.025	0.0249	0.02485
0.0258	0.0257	0.0256	0.0255	0.02533	0.0252	0.0251	0.025	0.0249
1.036004	1.032622	1.029285	1.026003	1.017266	1.039586	1.031067	1.022574	1.014125
2047	2048	2049	2050	2051	2052	2053	2054	2055
2047	2048	2049	2050	2051	2052	2053	2054	2055
1.036004	1.032622	1.029285	1.026003	1.017266	1.039586	1.031067	1.022574	1.014125
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.0518	0.051631	0.051464	0.0513	0.050863	0.051979	0.051553	0.051129	0.050706

2056	2057	2058	2059	2060	2061	2062	2063	2064
0.005523								
0.005523	0.005523							
0.005531	0.005523	0.005523						
0.005539	0.005531	0.005523	0.005523					
0.007658	0.007647	0.007636	0.007625	0.007625				
0.007669	0.007658	0.007647	0.007636	0.007625	0.007625			
0.00768	0.007669	0.007658	0.007647	0.007636	0.007625	0.007625		
0.007687	0.00768	0.007669	0.007658	0.007647	0.007636	0.007625	0.007625	
0.007698	0.007687	0.00768	0.007669	0.007658	0.007647	0.007636	0.007625	0.007625
0.007709	0.007698	0.007687	0.00768	0.007669	0.007658	0.007647	0.007636	0.007625
0.007727	0.007709	0.007698	0.007687	0.00768	0.007669	0.007658	0.007647	0.007636
0.007745	0.007727	0.007709	0.007698	0.007687	0.00768	0.007669	0.007658	0.007647
0.00777	0.007745	0.007727	0.007709	0.007698	0.007687	0.00768	0.007669	0.007658
0.007799	0.00777	0.007745	0.007727	0.007709	0.007698	0.007687	0.00768	0.007669
0.011224	0.011193	0.011152	0.011115	0.011089	0.011063	0.011047	0.011032	0.011021
0.011256	0.011224	0.011193	0.011152	0.011115	0.011089	0.011063	0.011047	0.011032
0.011287	0.011256	0.011224	0.011193	0.011152	0.011115	0.011089	0.011063	0.011047
0.011308	0.011287	0.011256	0.011224	0.011193	0.011152	0.011115	0.011089	0.011063
0.113287	0.011308	0.011287	0.011256	0.011224	0.011193	0.011152	0.011115	0.011089
0.011344	0.113287	0.011308	0.011287	0.011256	0.011224	0.011193	0.011152	0.011115
0.011365	0.011344	0.113287	0.011308	0.011287	0.011256	0.011224	0.011193	0.011152
0.011386	0.011365	0.011344	0.113287	0.011308	0.011287	0.011256	0.011224	0.011193
0.011402	0.011386	0.011365	0.011344	0.113287	0.011308	0.011287	0.011256	0.011224
0.011417	0.011402	0.011386	0.011365	0.011344	0.113287	0.011308	0.011287	0.011256
0.014608	0.014588	0.014568	0.014548	0.014521	0.014494	0.144745	0.014448	0.014421
0.014628	0.014608	0.014588	0.014568	0.014548	0.014521	0.014494	0.144745	0.014448
0.014648	0.014628	0.014608	0.014588	0.014568	0.014548	0.014521	0.014494	0.144745
0.014668	0.014648	0.014628	0.014608	0.014588	0.014568	0.014548	0.014521	0.014494
0.014688	0.014668	0.014648	0.014628	0.014608	0.014588	0.014568	0.014548	0.014521
0.014708	0.014688	0.014668	0.014648	0.014628	0.014608	0.014588	0.014568	0.014548
0.014727	0.014708	0.014688	0.014668	0.014648	0.014628	0.014608	0.014588	0.014568
0.014747	0.014727	0.014708	0.014688	0.014668	0.014648	0.014628	0.014608	0.014588
0.014781	0.014747	0.014727	0.014708	0.014688	0.014668	0.014648	0.014628	0.014608
0.014867	0.014781	0.014747	0.014727	0.014708	0.014688	0.014668	0.014648	0.014628
0.017116	0.017024	0.016925	0.016887	0.016864	0.016841	0.016819	0.016796	0.016773
0.017192	0.017116	0.017024	0.016925	0.016887	0.016864	0.016841	0.016819	0.016796
0.017276	0.017192	0.017116	0.017024	0.016925	0.016887	0.016864	0.016841	0.016819
0.017345	0.017276	0.017192	0.017116	0.017024	0.016925	0.016887	0.016864	0.016841
0.017383	0.017345	0.017276	0.017192	0.017116	0.017024	0.016925	0.016887	0.016864
0.017421	0.017383	0.017345	0.017276	0.017192	0.017116	0.017024	0.016925	0.016887
0.017459	0.017421	0.017383	0.017345	0.017276	0.017192	0.017116	0.017024	0.016925

0.017497	0.017459	0.017421	0.017383	0.017345	0.017276	0.017192	0.017116	0.017024
0.017535	0.017497	0.017459	0.017421	0.017383	0.017345	0.017276	0.017192	0.017116
0.017573	0.017535	0.017497	0.017459	0.017421	0.017383	0.017345	0.017276	0.017192
0.01986	0.019775	0.019732	0.019689	0.019646	0.019603	0.01956	0.019517	0.01944
0.019946	0.01986	0.019775	0.019732	0.019689	0.019646	0.019603	0.01956	0.019517
0.020015	0.019946	0.01986	0.019775	0.019732	0.019689	0.019646	0.019603	0.01956
0.020161	0.020015	0.019946	0.01986	0.019775	0.019732	0.019689	0.019646	0.019603
0.020298	0.020161	0.020015	0.019946	0.01986	0.019775	0.019732	0.019689	0.019646
0.020332	0.020298	0.020161	0.020015	0.019946	0.01986	0.019775	0.019732	0.019689
0.020375	0.020332	0.020298	0.020161	0.020015	0.019946	0.01986	0.019775	0.019732
0.020461	0.020375	0.020332	0.020298	0.020161	0.020015	0.019946	0.01986	0.019775
0.020547	0.020461	0.020375	0.020332	0.020298	0.020161	0.020015	0.019946	0.01986
0.02059	0.020547	0.020461	0.020375	0.020332	0.020298	0.020161	0.020015	0.019946
0.020632	0.02059	0.020547	0.020461	0.020375	0.020332	0.020298	0.020161	0.020015
0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366	0.0235
0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237	0.02366
0.0244	0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375	0.0237
0.02466	0.0244	0.02425	0.02415	0.02405	0.024	0.02395	0.02385	0.02375
0.0248	0.02466	0.0244	0.02425	0.02415	0.02405	0.024	0.02395	0.02385
0.02485	0.0248	0.02466	0.0244	0.02425	0.02415	0.02405	0.024	0.02395
1.005725	0.997324	0.988927	0.980636	0.972569	0.962514	0.980848	0.970946	0.96105
2056	2057	2058	2059	2060	2061	2062	2063	2064
2056	2057	2058	2059	2060	2061	2062	2063	2064
1.005725	0.997324	0.988927	0.980636	0.972569	0.962514	0.980848	0.970946	0.96105
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.050286	0.049866	0.049446	0.049032	0.048628	0.048126	0.049042	0.048547	0.048053

2065	2066	2067	2068	2069	2070	2071	2072	2073
0.007625								
0.007625	0.007625							
0.007636	0.007625	0.007625						
0.007647	0.007636	0.007625	0.007625					
0.007658	0.007647	0.007636	0.007625	0.007625				
0.011006	0.01099	0.010974	0.010959	0.010943	0.010943			
0.011021	0.011006	0.01099	0.010974	0.010959	0.010943	0.010943		
0.011032	0.011021	0.011006	0.01099	0.010974	0.010959	0.010943	0.010943	
0.011047	0.011032	0.011021	0.011006	0.01099	0.010974	0.010959	0.010943	0.010943
0.011063	0.011047	0.011032	0.011021	0.011006	0.01099	0.010974	0.010959	0.010943
0.011089	0.011063	0.011047	0.011032	0.011021	0.011006	0.01099	0.010974	0.010959
0.011115	0.011089	0.011063	0.011047	0.011032	0.011021	0.011006	0.01099	0.010974
0.011152	0.011115	0.011089	0.011063	0.011047	0.011032	0.011021	0.011006	0.01099
0.011193	0.011152	0.011115	0.011089	0.011063	0.011047	0.011032	0.011021	0.011006
0.011224	0.011193	0.011152	0.011115	0.011089	0.011063	0.011047	0.011032	0.011021
0.014381	0.014341	0.014301	0.014248	0.014202	0.014168	0.014135	0.014115	0.014095
0.014421	0.014381	0.014341	0.014301	0.014248	0.014202	0.014168	0.014135	0.014115
0.014448	0.014421	0.014381	0.014341	0.014301	0.014248	0.014202	0.014168	0.014135
0.144745	0.014448	0.014421	0.014381	0.014341	0.014301	0.014248	0.014202	0.014168
0.014494	0.144745	0.014448	0.014421	0.014381	0.014341	0.014301	0.014248	0.014202
0.014521	0.014494	0.144745	0.014448	0.014421	0.014381	0.014341	0.014301	0.014248
0.014548	0.014521	0.014494	0.144745	0.014448	0.014421	0.014381	0.014341	0.014301
0.014568	0.014548	0.014521	0.014494	0.144745	0.014448	0.014421	0.014381	0.014341
0.014588	0.014568	0.014548	0.014521	0.014494	0.144745	0.014448	0.014421	0.014381
0.014608	0.014588	0.014568	0.014548	0.014521	0.014494	0.144745	0.014448	0.014421
0.01675	0.016727	0.016704	0.016681	0.016658	0.016628	0.016597	0.165746	0.016544
0.016773	0.01675	0.016727	0.016704	0.016681	0.016658	0.016628	0.016597	0.165746
0.016796	0.016773	0.01675	0.016727	0.016704	0.016681	0.016658	0.016628	0.016597
0.016819	0.016796	0.016773	0.01675	0.016727	0.016704	0.016681	0.016658	0.016628
0.016841	0.016819	0.016796	0.016773	0.01675	0.016727	0.016704	0.016681	0.016658
0.016864	0.016841	0.016819	0.016796	0.016773	0.01675	0.016727	0.016704	0.016681
0.016887	0.016864	0.016841	0.016819	0.016796	0.016773	0.01675	0.016727	0.016704

0.016925	0.016887	0.016864	0.016841	0.016819	0.016796	0.016773	0.01675	0.016727
0.017024	0.016925	0.016887	0.016864	0.016841	0.016819	0.016796	0.016773	0.01675
0.017116	0.017024	0.016925	0.016887	0.016864	0.016841	0.016819	0.016796	0.016773
0.019346	0.01926	0.019157	0.019045	0.019002	0.018977	0.018951	0.018925	0.0189
0.01944	0.019346	0.01926	0.019157	0.019045	0.019002	0.018977	0.018951	0.018925
0.019517	0.01944	0.019346	0.01926	0.019157	0.019045	0.019002	0.018977	0.018951
0.01956	0.019517	0.01944	0.019346	0.01926	0.019157	0.019045	0.019002	0.018977
0.019603	0.01956	0.019517	0.01944	0.019346	0.01926	0.019157	0.019045	0.019002
0.019646	0.019603	0.01956	0.019517	0.01944	0.019346	0.01926	0.019157	0.019045
0.019689	0.019646	0.019603	0.01956	0.019517	0.01944	0.019346	0.01926	0.019157
0.019732	0.019689	0.019646	0.019603	0.01956	0.019517	0.01944	0.019346	0.01926
0.019775	0.019732	0.019689	0.019646	0.019603	0.01956	0.019517	0.01944	0.019346
0.01986	0.019775	0.019732	0.019689	0.019646	0.019603	0.01956	0.019517	0.01944
0.019946	0.01986	0.019775	0.019732	0.019689	0.019646	0.019603	0.01956	0.019517
0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285	0.0228
0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229	0.02285
0.02366	0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295	0.0229
0.0237	0.02366	0.0235	0.02333	0.02325	0.02315	0.02305	0.023	0.02295
0.02375	0.0237	0.02366	0.0235	0.02333	0.02325	0.02315	0.02305	0.023
0.02385	0.02375	0.0237	0.02366	0.0235	0.02333	0.02325	0.02315	0.02305
0.951154	0.94132	0.931544	0.921773	0.912011	0.902389	0.889598	0.89577	0.883123
2065	2066	2067	2068	2069	2070	2071	2072	2073
2065	2066	2067	2068	2069	2070	2071	2072	2073
0.951154	0.94132	0.931544	0.921773	0.912011	0.902389	0.889598	0.89577	0.883123
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.047558	0.047066	0.046577	0.046089	0.045601	0.045119	0.04448	0.044788	0.044156

2074	2075	2076	2077	2078	2079	2080	2081	2082
0.010943								
0.010943	0.010943							
0.010959	0.010943	0.010943						
0.010974	0.010959	0.010943	0.010943					
0.01099	0.010974	0.010959	0.010943	0.010943				
0.011006	0.01099	0.010974	0.010959	0.010943	0.010943			
0.014082	0.014062	0.014042	0.014022	0.014002	0.013982	0.013982		
0.014095	0.014082	0.014062	0.014042	0.014022	0.014002	0.013982	0.013982	
0.014115	0.014095	0.014082	0.014062	0.014042	0.014022	0.014002	0.013982	0.013982
0.014135	0.014115	0.014095	0.014082	0.014062	0.014042	0.014022	0.014002	0.013982
0.014168	0.014135	0.014115	0.014095	0.014082	0.014062	0.014042	0.014022	0.014002
0.014202	0.014168	0.014135	0.014115	0.014095	0.014082	0.014062	0.014042	0.014022
0.014248	0.014202	0.014168	0.014135	0.014115	0.014095	0.014082	0.014062	0.014042
0.014301	0.014248	0.014202	0.014168	0.014135	0.014115	0.014095	0.014082	0.014062
0.014341	0.014301	0.014248	0.014202	0.014168	0.014135	0.014115	0.014095	0.014082
0.014381	0.014341	0.014301	0.014248	0.014202	0.014168	0.014135	0.014115	0.014095
0.016514	0.016468	0.016422	0.016376	0.016315	0.016262	0.016224	0.016186	0.016163
0.016544	0.016514	0.016468	0.016422	0.016376	0.016315	0.016262	0.016224	0.016186
0.165746	0.016544	0.016514	0.016468	0.016422	0.016376	0.016315	0.016262	0.016224
0.016597	0.165746	0.016544	0.016514	0.016468	0.016422	0.016376	0.016315	0.016262
0.016628	0.016597	0.165746	0.016544	0.016514	0.016468	0.016422	0.016376	0.016315
0.016658	0.016628	0.016597	0.165746	0.016544	0.016514	0.016468	0.016422	0.016376
0.016681	0.016658	0.016628	0.016597	0.165746	0.016544	0.016514	0.016468	0.016422

0.016704	0.016681	0.016658	0.016628	0.016597	0.165746	0.016544	0.016514	0.016468
0.016727	0.016704	0.016681	0.016658	0.016628	0.016597	0.165746	0.016544	0.016514
0.01675	0.016727	0.016704	0.016681	0.016658	0.016628	0.016597	0.165746	0.016544
0.018874	0.018848	0.018822	0.018797	0.018771	0.018745	0.018711	0.018676	0.186507
0.0189	0.018874	0.018848	0.018822	0.018797	0.018771	0.018745	0.018711	0.018676
0.018925	0.0189	0.018874	0.018848	0.018822	0.018797	0.018771	0.018745	0.018711
0.018951	0.018925	0.0189	0.018874	0.018848	0.018822	0.018797	0.018771	0.018745
0.018977	0.018951	0.018925	0.0189	0.018874	0.018848	0.018822	0.018797	0.018771
0.019002	0.018977	0.018951	0.018925	0.0189	0.018874	0.018848	0.018822	0.018797
0.019045	0.019002	0.018977	0.018951	0.018925	0.0189	0.018874	0.018848	0.018822
0.019157	0.019045	0.019002	0.018977	0.018951	0.018925	0.0189	0.018874	0.018848
0.01926	0.019157	0.019045	0.019002	0.018977	0.018951	0.018925	0.0189	0.018874
0.019346	0.01926	0.019157	0.019045	0.019002	0.018977	0.018951	0.018925	0.0189
0.01944	0.019346	0.01926	0.019157	0.019045	0.019002	0.018977	0.018951	0.018925
0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212	0.02209
0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215	0.02212
0.02285	0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222	0.02215
0.0229	0.02285	0.0228	0.02275	0.02266	0.02255	0.02245	0.02233	0.0222
0.02295	0.0229	0.02285	0.0228	0.02275	0.02266	0.02255	0.02245	0.02233
0.023	0.02295	0.0229	0.02285	0.0228	0.02275	0.02266	0.02255	0.02245
0.87056	0.85802	0.845503	0.833007	0.82053	0.808071	0.795646	0.780259	0.783657
2074	2075	2076	2077	2078	2079	2080	2081	2082
2074	2075	2076	2077	2078	2079	2080	2081	2082
0.87056	0.85802	0.845503	0.833007	0.82053	0.808071	0.795646	0.780259	0.783657
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.043528	0.042901	0.042275	0.04165	0.041027	0.040404	0.039782	0.039013	0.039183

2083	2084	2085	2086	2087	2088	2089	2090	2091
0.013982								
0.013982	0.013982							
0.014002	0.013982	0.013982						
0.014022	0.014002	0.013982	0.013982					
0.014042	0.014022	0.014002	0.013982	0.013982				
0.014062	0.014042	0.014022	0.014002	0.013982	0.013982			
0.014082	0.014062	0.014042	0.014022	0.014002	0.013982	0.013982		
0.01614	0.016125	0.016102	0.016079	0.016056	0.016033	0.01601	0.01601	
0.016163	0.01614	0.016125	0.016102	0.016079	0.016056	0.016033	0.01601	0.01601
0.016186	0.016163	0.01614	0.016125	0.016102	0.016079	0.016056	0.016033	0.01601
0.016224	0.016186	0.016163	0.01614	0.016125	0.016102	0.016079	0.016056	0.016033
0.016262	0.016224	0.016186	0.016163	0.01614	0.016125	0.016102	0.016079	0.016056
0.016315	0.016262	0.016224	0.016186	0.016163	0.01614	0.016125	0.016102	0.016079
0.016376	0.016315	0.016262	0.016224	0.016186	0.016163	0.01614	0.016125	0.016102

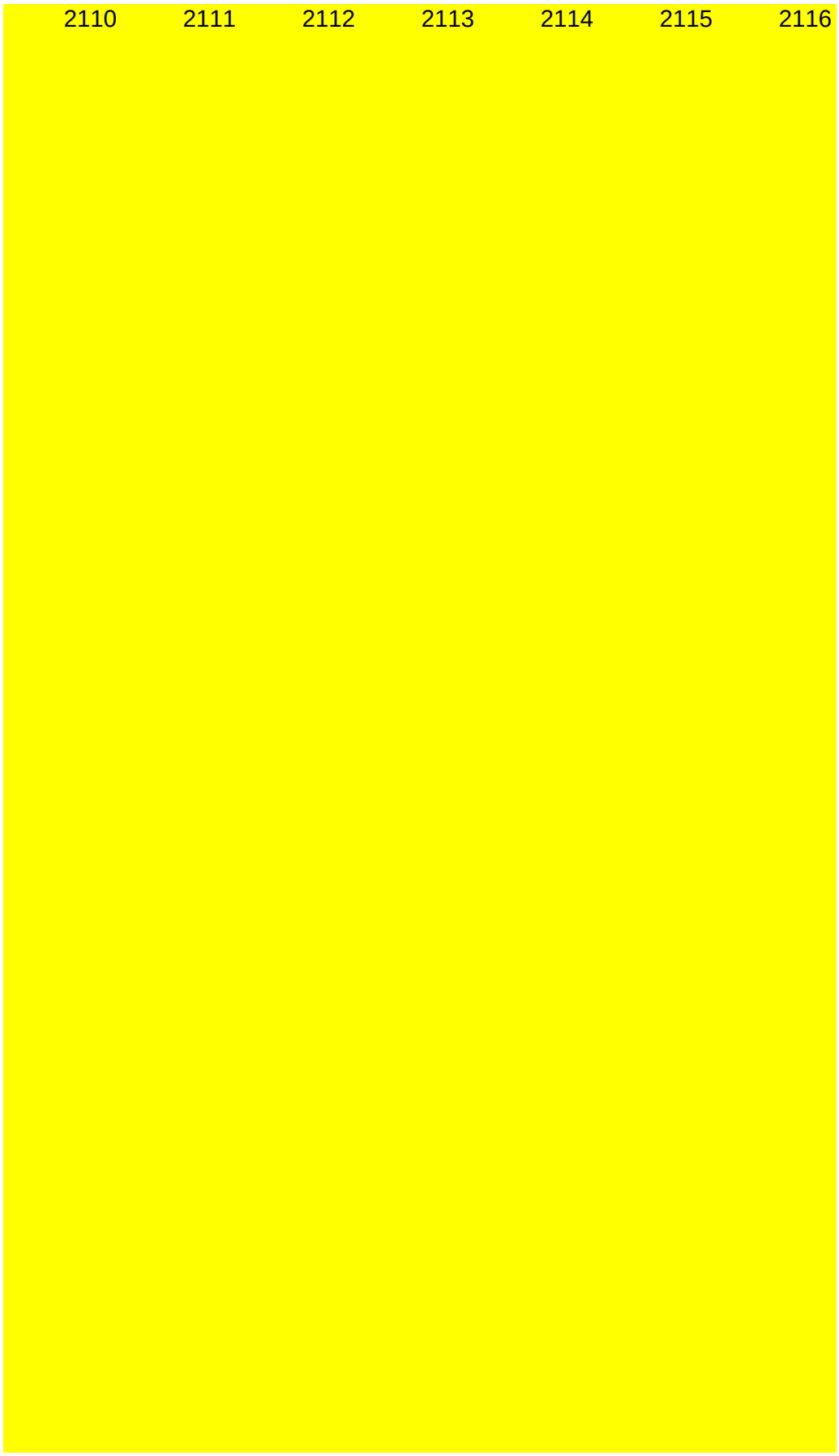
0.016422	0.016376	0.016315	0.016262	0.016224	0.016186	0.016163	0.01614	0.016125
0.016468	0.016422	0.016376	0.016315	0.016262	0.016224	0.016186	0.016163	0.01614
0.016514	0.016468	0.016422	0.016376	0.016315	0.016262	0.016224	0.016186	0.016163
0.018616	0.018582	0.018531	0.018479	0.018428	0.018359	0.018299	0.018256	0.018213
0.186507	0.018616	0.018582	0.018531	0.018479	0.018428	0.018359	0.018299	0.018256
0.018676	0.186507	0.018616	0.018582	0.018531	0.018479	0.018428	0.018359	0.018299
0.018711	0.018676	0.186507	0.018616	0.018582	0.018531	0.018479	0.018428	0.018359
0.018745	0.018711	0.018676	0.186507	0.018616	0.018582	0.018531	0.018479	0.018428
0.018771	0.018745	0.018711	0.018676	0.186507	0.018616	0.018582	0.018531	0.018479
0.018797	0.018771	0.018745	0.018711	0.018676	0.186507	0.018616	0.018582	0.018531
0.018822	0.018797	0.018771	0.018745	0.018711	0.018676	0.186507	0.018616	0.018582
0.018848	0.018822	0.018797	0.018771	0.018745	0.018711	0.018676	0.186507	0.018616
0.018874	0.018848	0.018822	0.018797	0.018771	0.018745	0.018711	0.018676	0.186507
0.0189	0.018874	0.018848	0.018822	0.018797	0.018771	0.018745	0.018711	0.018676
0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185	0.02181
0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188	0.02185
0.02212	0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191	0.02188
0.02215	0.02212	0.02209	0.02206	0.02203	0.022	0.02197	0.02194	0.02191
0.0222	0.02215	0.02212	0.02209	0.02206	0.02203	0.022	0.02197	0.02194
0.02233	0.0222	0.02215	0.02212	0.02209	0.02206	0.02203	0.022	0.02197
0.768459	0.753371	0.738401	0.723467	0.70855	0.693649	0.678764	0.663899	0.647026
2083	2084	2085	2086	2087	2088	2089	2090	2091
2083	2084	2085	2086	2087	2088	2089	2090	2091
0.768459	0.753371	0.738401	0.723467	0.70855	0.693649	0.678764	0.663899	0.647026
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.038423	0.037669	0.03692	0.036173	0.035428	0.034682	0.033938	0.033195	0.032351

2092	2093	2094	2095	2096	2097	2098	2099	2100
0.01601								
0.01601	0.01601							
0.016033	0.01601	0.01601						
0.016056	0.016033	0.01601	0.01601					
0.016079	0.016056	0.016033	0.01601	0.01601				

0.016102	0.016079	0.016056	0.016033	0.01601	0.01601			
0.016125	0.016102	0.016079	0.016056	0.016033	0.01601	0.01601		
0.01614	0.016125	0.016102	0.016079	0.016056	0.016033	0.01601	0.01601	
0.018187	0.018162	0.018145	0.018119	0.018093	0.018067	0.018042	0.018016	0.018016
0.018213	0.018187	0.018162	0.018145	0.018119	0.018093	0.018067	0.018042	0.018016
0.018256	0.018213	0.018187	0.018162	0.018145	0.018119	0.018093	0.018067	0.018042
0.018299	0.018256	0.018213	0.018187	0.018162	0.018145	0.018119	0.018093	0.018067
0.018359	0.018299	0.018256	0.018213	0.018187	0.018162	0.018145	0.018119	0.018093
0.018428	0.018359	0.018299	0.018256	0.018213	0.018187	0.018162	0.018145	0.018119
0.018479	0.018428	0.018359	0.018299	0.018256	0.018213	0.018187	0.018162	0.018145
0.018531	0.018479	0.018428	0.018359	0.018299	0.018256	0.018213	0.018187	0.018162
0.018582	0.018531	0.018479	0.018428	0.018359	0.018299	0.018256	0.018213	0.018187
0.018616	0.018582	0.018531	0.018479	0.018428	0.018359	0.018299	0.018256	0.018213
0.186507	0.018616	0.018582	0.018531	0.018479	0.018428	0.018359	0.018299	0.018256
0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214	0.02133
0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148	0.0214
0.02185	0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154	0.02148
0.02188	0.02185	0.02181	0.02177	0.2174	0.0217	0.02166	0.0216	0.02154
0.02191	0.02188	0.02185	0.02181	0.02177	0.2174	0.0217	0.02166	0.0216
0.02194	0.02191	0.02188	0.02185	0.02181	0.02177	0.2174	0.0217	0.02166
0.630174	0.641149	0.624342	0.607557	0.59079	0.574052	0.557343	0.344989	0.328326
2092	2093	2094	2095	2096	2097	2098	2099	2100
2092	2093	2094	2095	2096	2097	2098	2099	2100
0.630174	0.641149	0.624342	0.607557	0.59079	0.574052	0.557343	0.344989	0.328326
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.031509	0.032057	0.031217	0.030378	0.02954	0.028703	0.027867	0.017249	0.016416

2101 2102 2103 2104 2105 2106 2107 2108 2109

0.018016								
0.018016	0.018016							
0.018042	0.018016	0.018016						
0.018067	0.018042	0.018016	0.018016					
0.018093	0.018067	0.018042	0.018016	0.018016				
0.018119	0.018093	0.018067	0.018042	0.018016	0.018016			
0.018145	0.018119	0.018093	0.018067	0.018042	0.018016	0.018016		
0.018162	0.018145	0.018119	0.018093	0.018067	0.018042	0.018016	0.018016	
0.018187	0.018162	0.018145	0.018119	0.018093	0.018067	0.018042	0.018016	0.018016
0.018213	0.018187	0.018162	0.018145	0.018119	0.018093	0.018067	0.018042	0.018016
0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106	0.02103
0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109	0.02106
0.0214	0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112	0.02109
0.02148	0.0214	0.02133	0.02128	0.02123	0.0212	0.02117	0.02115	0.02112
0.02154	0.02148	0.0214	0.02133	0.02128	0.02123	0.0212	0.02117	0.02115
0.0216	0.02154	0.02148	0.0214	0.02133	0.02128	0.02123	0.0212	0.02117
0.30969	0.291107	0.272579	0.254107	0.235713	0.217384	0.199101	0.180863	0.162652
2101	2102	2103	2104	2105	2106	2107	2108	2109
2101	2102	2103	2104	2105	2106	2107	2108	2109
0.30969	0.291107	0.272579	0.254107	0.235713	0.217384	0.199101	0.180863	0.162652
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.015484	0.014555	0.013629	0.012705	0.011786	0.010869	0.009955	0.009043	0.008133


2110
2111
2112
2113
2114
2115
2116

0.018016						
0.021	0.021					
0.02103	0.021	0.021				
0.02106	0.02103	0.021	0.021			
0.02109	0.02106	0.02103	0.021	0.021		
0.02112	0.02109	0.02106	0.02103	0.021	0.021	
0.02115	0.02112	0.02109	0.02106	0.02103	0.021	0.021
0.144466	0.1263	0.10518	0.08409	0.06303	0.042	0.021
2110	2111	2112	2113	2114	2115	2116
2110	2111	2112	2113	2114	2115	2116
0.144466	0.1263	0.10518	0.08409	0.06303	0.042	0.021
0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.007223	0.006315	0.005259	0.004205	0.003152	0.0021	0.00105

Values derived from Figure 2D, Allen et al., May 2016; Based on Anthropogenic 6.7/6.9/10.008 M

2011	2012	2013	2014	2015	2016	2017	2018
0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009

1950-1959 Annual N2O Pulse Emission - Anthropogenic [approx 51% of 6.7/6.9/10.008 Mt]

0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0	5.1E-05	0.00010204	0.00020408	0.000337	0.000408	0.000434	0.000459

1960-1969 Annual N2O Pulse Emission - Anthropogenic [approx 59% of 6.7/6.9/10.008 Mt]

0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0	5.92E-05	0.0001184	0.0002368	0.000391	0.000474	0.000503	0.000533

1970-1979 Annual N2O Pulse Emission - Anthropogenic [approx 67% of 6.7/6.9/10.008 Mt]

0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0	6.74E-05	0.00013472	0.00026944	0.000445	0.000539	0.000573	0.000606

1980-1989 Annual N2O Pulse Emission - Anthropogenic [approx 76% of 6.7/6.9/10.008 Mt]

0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0	7.55E-05	0.00015104	0.00030208	0.000498	0.000604	0.000642	0.00068

1990-1999 Annual N2O Pulse Emission - Anthropogenic [approx 84% of 6.7/6.9/10.008 Mt]

0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0	8.37E-05	0.00016736	0.00033472	0.000552	0.000669	0.000711	0.000753

2000- 2010 Annual N2O Pulse Emission - Anthropogenic [approx 92% of 6.7/6.9/10.008 Mt]

0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0	9.18E-05	0.00018368	0.00036736	0.000606	0.000735	0.000781	0.000827

2011-2016 Annual N2O Pulse Emission - Anthropogenic [100% of 6.7/6.9/10.008 Mt]

0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009

	1950	1951	1952	1953	1954	1955	1956
1950	0	0.00005102	0.00010204	0.000204	0.000337	0.000408	0.000434

0	0.00005102	0.000102	0.000204	0.000337	0.000408
	0	5.1E-05	0.000102	0.000204	0.000337
		0	5.1E-05	0.000102	0.000204
			0	5.1E-05	0.000102
				0	5.1E-05
					0

2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
Sum	0	0.00005102	0.00015306	0.000357	0.000694	0.001102	0.001536
Year	1950	1951	1952	1953	1954	1955	1956
Year	1950	1951	1952	1953	1954	1955	1956
Sum	0	0.00005102	0.00015306	0.000357	0.000694	0.001102	0.001536
LSSC %	0.53	0.53	0.53	0.53	0.53	0.53	0.53
LSSC Value	0	2.70406E-05	8.11218E-05	0.000189	0.000368	0.000584	0.000814

LSSC = Livestock Supply Chains

lt N2O Pulse in 2011 - Global Surface Temperature Change in Degrees Celsius; assume pulse emissi

2019	2020	2021	2022	2023	2024	2025	2026	2027
0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126
0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.000497	0.00051	0.000536	0.000561	0.000582	0.000597	0.000612	0.000628	0.000643
0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.000577	0.000592	0.000622	0.000651	0.000675	0.000693	0.00071	0.000728	0.000746
0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000657	0.000674	0.000707	0.000741	0.000768	0.000788	0.000808	0.000829	0.000849
0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.000736	0.000755	0.000793	0.000831	0.000861	0.000884	0.000906	0.000929	0.000952
0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.000816	0.000837	0.000879	0.00092	0.000954	0.000979	0.001004	0.001029	0.001054
0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.000895	0.000918	0.000964	0.00101	0.001047	0.001075	0.001102	0.00113	0.001157
0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126
1957	1958	1959	1960	1961	1962	1963	1964	1965
0.000459	0.000497	0.00051	0.000536	0.000561	0.000582	0.000597	0.000612	0.000628

0.000434	0.000459	0.000497	0.00051	0.000536	0.000561	0.000582	0.000597	0.000612
0.000408	0.000434	0.000459	0.000497	0.00051	0.000536	0.000561	0.000582	0.000597
0.000337	0.000408	0.000434	0.000459	0.000497	0.00051	0.000536	0.000561	0.000582
0.000204	0.000337	0.000408	0.000434	0.000459	0.000497	0.00051	0.000536	0.000561
0.000102	0.000204	0.000337	0.000408	0.000434	0.000459	0.000497	0.00051	0.000536
5.1E-05	0.000102	0.000204	0.000337	0.000408	0.000434	0.000459	0.000497	0.00051
0	5.1E-05	0.000102	0.000204	0.000337	0.000408	0.000434	0.000459	0.000497
	0	5.1E-05	0.000102	0.000204	0.000337	0.000408	0.000434	0.000459
		0	5.1E-05	0.000102	0.000204	0.000337	0.000408	0.000434
			0	5.92E-05	0.000118	0.000237	0.000391	0.000474
				0	5.92E-05	0.000118	0.000237	0.000391
					0	5.92E-05	0.000118	0.000237
						0	5.92E-05	0.000118
							0	5.92E-05
								0

0.001995	0.002492	0.003003	0.003538	0.004108	0.004706	0.005335	0.006002	0.006694
1957	1958	1959	1960	1961	1962	1963	1964	1965
1957	1958	1959	1960	1961	1962	1963	1964	1965
0.001995	0.002492	0.003003	0.003538	0.004108	0.004706	0.005335	0.006002	0.006694
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.001057	0.001321	0.001591	0.001875	0.002177	0.002494	0.002828	0.003181	0.003548

on occurs on Jan 1 of Emission Year; analysis has applied associated temperature change values on

2028	2029	2030	2031	2032	2033	2034	2035	2036
0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141
0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.000658	0.000668	0.000679	0.000689	0.000699	0.000704	0.000709	0.000714	0.000719
0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.000764	0.000776	0.000787	0.000799	0.000811	0.000817	0.000823	0.000829	0.000835
0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000869	0.000882	0.000896	0.000909	0.000923	0.00093	0.000936	0.000943	0.00095
0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.000974	0.000989	0.001004	0.00102	0.001035	0.001042	0.00105	0.001057	0.001065
0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.001079	0.001096	0.001113	0.00113	0.001146	0.001155	0.001163	0.001172	0.00118
0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.001185	0.001203	0.001221	0.00124	0.001258	0.001267	0.001277	0.001286	0.001295
0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141

1966	1967	1968	1969	1970	1971	1972	1973	1974
0.000643	0.000658	0.000668	0.000679	0.000689	0.000699	0.000704	0.000709	0.000714

0.000628	0.000643	0.000658	0.000668	0.000679	0.000689	0.000699	0.000704	0.000709
0.000612	0.000628	0.000643	0.000658	0.000668	0.000679	0.000689	0.000699	0.000704
0.000597	0.000612	0.000628	0.000643	0.000658	0.000668	0.000679	0.000689	0.000699
0.000582	0.000597	0.000612	0.000628	0.000643	0.000658	0.000668	0.000679	0.000689
0.000561	0.000582	0.000597	0.000612	0.000628	0.000643	0.000658	0.000668	0.000679
0.000536	0.000561	0.000582	0.000597	0.000612	0.000628	0.000643	0.000658	0.000668
0.00051	0.000536	0.000561	0.000582	0.000597	0.000612	0.000628	0.000643	0.000658
0.000497	0.00051	0.000536	0.000561	0.000582	0.000597	0.000612	0.000628	0.000643
0.000459	0.000497	0.00051	0.000536	0.000561	0.000582	0.000597	0.000612	0.000628
0.000503	0.000533	0.000577	0.000592	0.000622	0.000651	0.000675	0.000693	0.00071
0.000474	0.000503	0.000533	0.000577	0.000592	0.000622	0.000651	0.000675	0.000693
0.000391	0.000474	0.000503	0.000533	0.000577	0.000592	0.000622	0.000651	0.000675
0.000237	0.000391	0.000474	0.000503	0.000533	0.000577	0.000592	0.000622	0.000651
0.000118	0.000237	0.000391	0.000474	0.000503	0.000533	0.000577	0.000592	0.000622
5.92E-05	0.000118	0.000237	0.000391	0.000474	0.000503	0.000533	0.000577	0.000592
0	5.92E-05	0.000118	0.000237	0.000391	0.000474	0.000503	0.000533	0.000577
	0	5.92E-05	0.000118	0.000237	0.000391	0.000474	0.000503	0.000533
		0	5.92E-05	0.000118	0.000237	0.000391	0.000474	0.000503
			0	5.92E-05	0.000118	0.000237	0.000391	0.000474
				0	6.74E-05	0.000135	0.000269	0.000445
					0	6.74E-05	0.000135	0.000269
						0	6.74E-05	0.000135
							0	6.74E-05
								0

0.007407	0.008139	0.008887	0.009647	0.010422	0.011219	0.012033	0.01287	0.013736
1966	1967	1968	1969	1970	1971	1972	1973	1974
1966	1967	1968	1969	1970	1971	1972	1973	1974
0.007407	0.008139	0.008887	0.009647	0.010422	0.011219	0.012033	0.01287	0.013736
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.003926	0.004313	0.00471	0.005113	0.005524	0.005946	0.006377	0.006821	0.00728

Jan 1 of following (post-pulse) years.

2037	2038	2039	2040	2041	2042	2043	2044	2045
0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133
0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.000724	0.00073	0.000735	0.00074	0.000724	0.000709	0.000699	0.000689	0.000679
0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.000841	0.000847	0.000852	0.000858	0.000841	0.000823	0.000811	0.000799	0.000787
0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000957	0.000963	0.00097	0.000977	0.000957	0.000936	0.000923	0.000909	0.000896
0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.001072	0.00108	0.001087	0.001095	0.001072	0.00105	0.001035	0.00102	0.001004
0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.001188	0.001197	0.001205	0.001213	0.001188	0.001163	0.001146	0.00113	0.001113
0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.001304	0.001313	0.001322	0.001332	0.001304	0.001277	0.001258	0.00124	0.001221
0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133
1975	1976	1977	1978	1979	1980	1981	1982	1983
0.000719	0.000724	0.00073	0.000735	0.00074	0.000724	0.000709	0.000699	0.000689

0.000714	0.000719	0.000724	0.00073	0.000735	0.00074	0.000724	0.000709	0.000699
0.000709	0.000714	0.000719	0.000724	0.00073	0.000735	0.00074	0.000724	0.000709
0.000704	0.000709	0.000714	0.000719	0.000724	0.00073	0.000735	0.00074	0.000724
0.000699	0.000704	0.000709	0.000714	0.000719	0.000724	0.00073	0.000735	0.00074
0.000689	0.000699	0.000704	0.000709	0.000714	0.000719	0.000724	0.00073	0.000735
0.000679	0.000689	0.000699	0.000704	0.000709	0.000714	0.000719	0.000724	0.00073
0.000668	0.000679	0.000689	0.000699	0.000704	0.000709	0.000714	0.000719	0.000724
0.000658	0.000668	0.000679	0.000689	0.000699	0.000704	0.000709	0.000714	0.000719
0.000643	0.000658	0.000668	0.000679	0.000689	0.000699	0.000704	0.000709	0.000714
0.000728	0.000746	0.000764	0.000776	0.000787	0.000799	0.000811	0.000817	0.000823
0.00071	0.000728	0.000746	0.000764	0.000776	0.000787	0.000799	0.000811	0.000817
0.000693	0.00071	0.000728	0.000746	0.000764	0.000776	0.000787	0.000799	0.000811
0.000675	0.000693	0.00071	0.000728	0.000746	0.000764	0.000776	0.000787	0.000799
0.000651	0.000675	0.000693	0.00071	0.000728	0.000746	0.000764	0.000776	0.000787
0.000622	0.000651	0.000675	0.000693	0.00071	0.000728	0.000746	0.000764	0.000776
0.000592	0.000622	0.000651	0.000675	0.000693	0.00071	0.000728	0.000746	0.000764
0.000577	0.000592	0.000622	0.000651	0.000675	0.000693	0.00071	0.000728	0.000746
0.000533	0.000577	0.000592	0.000622	0.000651	0.000675	0.000693	0.00071	0.000728
0.000503	0.000533	0.000577	0.000592	0.000622	0.000651	0.000675	0.000693	0.00071
0.000539	0.000573	0.000606	0.000657	0.000674	0.000707	0.000741	0.000768	0.000788
0.000445	0.000539	0.000573	0.000606	0.000657	0.000674	0.000707	0.000741	0.000768
0.000269	0.000445	0.000539	0.000573	0.000606	0.000657	0.000674	0.000707	0.000741
0.000135	0.000269	0.000445	0.000539	0.000573	0.000606	0.000657	0.000674	0.000707
6.74E-05	0.000135	0.000269	0.000445	0.000539	0.000573	0.000606	0.000657	0.000674
0	6.74E-05	0.000135	0.000269	0.000445	0.000539	0.000573	0.000606	0.000657
	0	6.74E-05	0.000135	0.000269	0.000445	0.000539	0.000573	0.000606
		0	6.74E-05	0.000135	0.000269	0.000445	0.000539	0.000573
			0	6.74E-05	0.000135	0.000269	0.000445	0.000539
				0	6.74E-05	0.000135	0.000269	0.000445
					0	7.55E-05	0.000151	0.000302
						0	7.55E-05	0.000151
							0	7.55E-05
								0

0.014622	0.015519	0.016427	0.017349	0.018279	0.019199	0.020118	0.02104	0.02197
1975	1976	1977	1978	1979	1980	1981	1982	1983
1975	1976	1977	1978	1979	1980	1981	1982	1983
0.014622	0.015519	0.016427	0.017349	0.018279	0.019199	0.020118	0.02104	0.02197
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.007749	0.008225	0.008706	0.009195	0.009688	0.010176	0.010663	0.011151	0.011644

2046	2047	2048	2049	2050	2051	2052	2053	2054
0.00131	0.00129	0.00127	0.00126	0.00125	0.00124	0.00123	0.00122	0.00121
0.00131	0.00129	0.00127	0.00126	0.00125	0.00124	0.00123	0.00122	0.00121
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.000668	0.000658	0.000648	0.000643	0.000638	0.000633	0.000628	0.000622	0.000617
0.00131	0.00129	0.00127	0.00126	0.00125	0.00124	0.00123	0.00122	0.00121
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.000776	0.000764	0.000752	0.000746	0.00074	0.000734	0.000728	0.000722	0.000716
0.00131	0.00129	0.00127	0.00126	0.00125	0.00124	0.00123	0.00122	0.00121
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000882	0.000869	0.000855	0.000849	0.000842	0.000835	0.000829	0.000822	0.000815
0.00131	0.00129	0.00127	0.00126	0.00125	0.00124	0.00123	0.00122	0.00121
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.000989	0.000974	0.000959	0.000952	0.000944	0.000936	0.000929	0.000921	0.000914
0.00131	0.00129	0.00127	0.00126	0.00125	0.00124	0.00123	0.00122	0.00121
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.001096	0.001079	0.001063	0.001054	0.001046	0.001038	0.001029	0.001021	0.001013
0.00131	0.00129	0.00127	0.00126	0.00125	0.00124	0.00123	0.00122	0.00121
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.001203	0.001185	0.001166	0.001157	0.001148	0.001139	0.00113	0.00112	0.001111
0.00131	0.00129	0.00127	0.00126	0.00125	0.00124	0.00123	0.00122	0.00121

1984	1985	1986	1987	1988	1989	1990	1991	1992
0.000679	0.000668	0.000658	0.000648	0.000643	0.000638	0.000633	0.000628	0.000622

0.000689	0.000679	0.000668	0.000658	0.000648	0.000643	0.000638	0.000633	0.000628
0.000699	0.000689	0.000679	0.000668	0.000658	0.000648	0.000643	0.000638	0.000633
0.000709	0.000699	0.000689	0.000679	0.000668	0.000658	0.000648	0.000643	0.000638
0.000724	0.000709	0.000699	0.000689	0.000679	0.000668	0.000658	0.000648	0.000643
0.00074	0.000724	0.000709	0.000699	0.000689	0.000679	0.000668	0.000658	0.000648
0.000735	0.00074	0.000724	0.000709	0.000699	0.000689	0.000679	0.000668	0.000658
0.00073	0.000735	0.00074	0.000724	0.000709	0.000699	0.000689	0.000679	0.000668
0.000724	0.00073	0.000735	0.00074	0.000724	0.000709	0.000699	0.000689	0.000679
0.000719	0.000724	0.00073	0.000735	0.00074	0.000724	0.000709	0.000699	0.000689
0.000829	0.000835	0.000841	0.000847	0.000852	0.000858	0.000841	0.000823	0.000811
0.000823	0.000829	0.000835	0.000841	0.000847	0.000852	0.000858	0.000841	0.000823
0.000817	0.000823	0.000829	0.000835	0.000841	0.000847	0.000852	0.000858	0.000841
0.000811	0.000817	0.000823	0.000829	0.000835	0.000841	0.000847	0.000852	0.000858
0.000799	0.000811	0.000817	0.000823	0.000829	0.000835	0.000841	0.000847	0.000852
0.000787	0.000799	0.000811	0.000817	0.000823	0.000829	0.000835	0.000841	0.000847
0.000776	0.000787	0.000799	0.000811	0.000817	0.000823	0.000829	0.000835	0.000841
0.000764	0.000776	0.000787	0.000799	0.000811	0.000817	0.000823	0.000829	0.000835
0.000746	0.000764	0.000776	0.000787	0.000799	0.000811	0.000817	0.000823	0.000829
0.000728	0.000746	0.000764	0.000776	0.000787	0.000799	0.000811	0.000817	0.000823
0.000808	0.000829	0.000849	0.000869	0.000882	0.000896	0.000909	0.000923	0.00093
0.000788	0.000808	0.000829	0.000849	0.000869	0.000882	0.000896	0.000909	0.000923
0.000768	0.000788	0.000808	0.000829	0.000849	0.000869	0.000882	0.000896	0.000909
0.000741	0.000768	0.000788	0.000808	0.000829	0.000849	0.000869	0.000882	0.000896
0.000707	0.000741	0.000768	0.000788	0.000808	0.000829	0.000849	0.000869	0.000882
0.000674	0.000707	0.000741	0.000768	0.000788	0.000808	0.000829	0.000849	0.000869
0.000657	0.000674	0.000707	0.000741	0.000768	0.000788	0.000808	0.000829	0.000849
0.000606	0.000657	0.000674	0.000707	0.000741	0.000768	0.000788	0.000808	0.000829
0.000573	0.000606	0.000657	0.000674	0.000707	0.000741	0.000768	0.000788	0.000808
0.000539	0.000573	0.000606	0.000657	0.000674	0.000707	0.000741	0.000768	0.000788
0.000498	0.000604	0.000642	0.00068	0.000736	0.000755	0.000793	0.000831	0.000861
0.000302	0.000498	0.000604	0.000642	0.00068	0.000736	0.000755	0.000793	0.000831
0.000151	0.000302	0.000498	0.000604	0.000642	0.00068	0.000736	0.000755	0.000793
7.55E-05	0.000151	0.000302	0.000498	0.000604	0.000642	0.00068	0.000736	0.000755
0	7.55E-05	0.000151	0.000302	0.000498	0.000604	0.000642	0.00068	0.000736
	0	7.55E-05	0.000151	0.000302	0.000498	0.000604	0.000642	0.00068
		0	7.55E-05	0.000151	0.000302	0.000498	0.000604	0.000642
			0	7.55E-05	0.000151	0.000302	0.000498	0.000604
				0	7.55E-05	0.000151	0.000302	0.000498
					0	7.55E-05	0.000151	0.000302
						0	8.37E-05	0.000167
							0	8.37E-05
								0

0.022915	0.023864	0.024811	0.025755	0.026702	0.027648	0.028593	0.029544	0.0305
1984	1985	1986	1987	1988	1989	1990	1991	1992
1984	1985	1986	1987	1988	1989	1990	1991	1992
0.022915	0.023864	0.024811	0.025755	0.026702	0.027648	0.028593	0.029544	0.0305
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.012145	0.012648	0.01315	0.01365	0.014152	0.014654	0.015154	0.015658	0.016165

2055	2056	2057	2058	2059	2060	2061	2062	2063
0.0012	0.00119	0.00118	0.00117	0.00116	0.00115	0.00114	0.00113	0.00112

0.0012	0.00119	0.00118	0.00117	0.00116	0.00115	0.00114	0.00113	0.00112
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.000612	0.000607	0.000602	0.000597	0.000592	0.000587	0.000582	0.000577	0.000571

0.0012	0.00119	0.00118	0.00117	0.00116	0.00115	0.00114	0.00113	0.00112
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.00071	0.000704	0.000699	0.000693	0.000687	0.000681	0.000675	0.000669	0.000663

0.0012	0.00119	0.00118	0.00117	0.00116	0.00115	0.00114	0.00113	0.00112
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000808	0.000802	0.000795	0.000788	0.000781	0.000775	0.000768	0.000761	0.000754

0.0012	0.00119	0.00118	0.00117	0.00116	0.00115	0.00114	0.00113	0.00112
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.000906	0.000899	0.000891	0.000884	0.000876	0.000868	0.000861	0.000853	0.000846

0.0012	0.00119	0.00118	0.00117	0.00116	0.00115	0.00114	0.00113	0.00112
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.001004	0.000996	0.000987	0.000979	0.000971	0.000962	0.000954	0.000946	0.000937

0.0012	0.00119	0.00118	0.00117	0.00116	0.00115	0.00114	0.00113	0.00112
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.001102	0.001093	0.001084	0.001075	0.001065	0.001056	0.001047	0.001038	0.001029

0.0012	0.00119	0.00118	0.00117	0.00116	0.00115	0.00114	0.00113	0.00112

1993	1994	1995	1996	1997	1998	1999	2000	2001
0.000617	0.000612	0.000607	0.000602	0.000597	0.000592	0.000587	0.000582	0.000577

0.000622	0.000617	0.000612	0.000607	0.000602	0.000597	0.000592	0.000587	0.000582
0.000628	0.000622	0.000617	0.000612	0.000607	0.000602	0.000597	0.000592	0.000587
0.000633	0.000628	0.000622	0.000617	0.000612	0.000607	0.000602	0.000597	0.000592
0.000638	0.000633	0.000628	0.000622	0.000617	0.000612	0.000607	0.000602	0.000597
0.000643	0.000638	0.000633	0.000628	0.000622	0.000617	0.000612	0.000607	0.000602
0.000648	0.000643	0.000638	0.000633	0.000628	0.000622	0.000617	0.000612	0.000607
0.000658	0.000648	0.000643	0.000638	0.000633	0.000628	0.000622	0.000617	0.000612
0.000668	0.000658	0.000648	0.000643	0.000638	0.000633	0.000628	0.000622	0.000617
0.000679	0.000668	0.000658	0.000648	0.000643	0.000638	0.000633	0.000628	0.000622
0.000799	0.000787	0.000776	0.000764	0.000752	0.000746	0.00074	0.000734	0.000728
0.000811	0.000799	0.000787	0.000776	0.000764	0.000752	0.000746	0.00074	0.000734
0.000823	0.000811	0.000799	0.000787	0.000776	0.000764	0.000752	0.000746	0.00074
0.000841	0.000823	0.000811	0.000799	0.000787	0.000776	0.000764	0.000752	0.000746
0.000858	0.000841	0.000823	0.000811	0.000799	0.000787	0.000776	0.000764	0.000752
0.000852	0.000858	0.000841	0.000823	0.000811	0.000799	0.000787	0.000776	0.000764
0.000847	0.000852	0.000858	0.000841	0.000823	0.000811	0.000799	0.000787	0.000776
0.000841	0.000847	0.000852	0.000858	0.000841	0.000823	0.000811	0.000799	0.000787
0.000835	0.000841	0.000847	0.000852	0.000858	0.000841	0.000823	0.000811	0.000799
0.000829	0.000835	0.000841	0.000847	0.000852	0.000858	0.000841	0.000823	0.000811
0.000936	0.000943	0.00095	0.000957	0.000963	0.00097	0.000977	0.000957	0.000936
0.00093	0.000936	0.000943	0.00095	0.000957	0.000963	0.00097	0.000977	0.000957
0.000923	0.00093	0.000936	0.000943	0.00095	0.000957	0.000963	0.00097	0.000977
0.000909	0.000923	0.00093	0.000936	0.000943	0.00095	0.000957	0.000963	0.00097
0.000896	0.000909	0.000923	0.00093	0.000936	0.000943	0.00095	0.000957	0.000963
0.000882	0.000896	0.000909	0.000923	0.00093	0.000936	0.000943	0.00095	0.000957
0.000869	0.000882	0.000896	0.000909	0.000923	0.00093	0.000936	0.000943	0.00095
0.000849	0.000869	0.000882	0.000896	0.000909	0.000923	0.00093	0.000936	0.000943
0.000829	0.000849	0.000869	0.000882	0.000896	0.000909	0.000923	0.00093	0.000936
0.000808	0.000829	0.000849	0.000869	0.000882	0.000896	0.000909	0.000923	0.00093
0.000884	0.000906	0.000929	0.000952	0.000974	0.000989	0.001004	0.00102	0.001035
0.000861	0.000884	0.000906	0.000929	0.000952	0.000974	0.000989	0.001004	0.00102
0.000831	0.000861	0.000884	0.000906	0.000929	0.000952	0.000974	0.000989	0.001004
0.000793	0.000831	0.000861	0.000884	0.000906	0.000929	0.000952	0.000974	0.000989
0.000755	0.000793	0.000831	0.000861	0.000884	0.000906	0.000929	0.000952	0.000974
0.000736	0.000755	0.000793	0.000831	0.000861	0.000884	0.000906	0.000929	0.000952
0.00068	0.000736	0.000755	0.000793	0.000831	0.000861	0.000884	0.000906	0.000929
0.000642	0.00068	0.000736	0.000755	0.000793	0.000831	0.000861	0.000884	0.000906
0.000604	0.000642	0.00068	0.000736	0.000755	0.000793	0.000831	0.000861	0.000884
0.000498	0.000604	0.000642	0.00068	0.000736	0.000755	0.000793	0.000831	0.000861
0.000335	0.000552	0.000669	0.000711	0.000753	0.000816	0.000837	0.000879	0.00092
0.000167	0.000335	0.000552	0.000669	0.000711	0.000753	0.000816	0.000837	0.000879
8.37E-05	0.000167	0.000335	0.000552	0.000669	0.000711	0.000753	0.000816	0.000837
0	8.37E-05	0.000167	0.000335	0.000552	0.000669	0.000711	0.000753	0.000816
	0	8.37E-05	0.000167	0.000335	0.000552	0.000669	0.000711	0.000753
		0	8.37E-05	0.000167	0.000335	0.000552	0.000669	0.000711
			0	8.37E-05	0.000167	0.000335	0.000552	0.000669
				0	8.37E-05	0.000167	0.000335	0.000552
					0	8.37E-05	0.000167	0.000335
						0	8.37E-05	0.000167

0 9.18E-05
0

0.03147	0.032457	0.033452	0.034447	0.035443	0.036442	0.03744	0.038434	0.039435
1993	1994	1995	1996	1997	1998	1999	2000	2001
1993	1994	1995	1996	1997	1998	1999	2000	2001
0.03147	0.032457	0.033452	0.034447	0.035443	0.036442	0.03744	0.038434	0.039435
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.016679	0.017202	0.017729	0.018257	0.018785	0.019314	0.019843	0.02037	0.0209

2064	2065	2066	2067	2068	2069	2070	2071	2072
0.00111	0.0011	0.00109	0.00108	0.00107	0.00106	0.00105	0.00105	0.00104

0.00111	0.0011	0.00109	0.00108	0.00107	0.00106	0.00105	0.00105	0.00104
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.000566	0.000561	0.000556	0.000551	0.000546	0.000541	0.000536	0.000536	0.000531

0.00111	0.0011	0.00109	0.00108	0.00107	0.00106	0.00105	0.00105	0.00104
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.000657	0.000651	0.000645	0.000639	0.000633	0.000628	0.000622	0.000622	0.000616

0.00111	0.0011	0.00109	0.00108	0.00107	0.00106	0.00105	0.00105	0.00104
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000748	0.000741	0.000734	0.000727	0.000721	0.000714	0.000707	0.000707	0.000701

0.00111	0.0011	0.00109	0.00108	0.00107	0.00106	0.00105	0.00105	0.00104
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.000838	0.000831	0.000823	0.000816	0.000808	0.000801	0.000793	0.000793	0.000785

0.00111	0.0011	0.00109	0.00108	0.00107	0.00106	0.00105	0.00105	0.00104
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.000929	0.00092	0.000912	0.000904	0.000895	0.000887	0.000879	0.000879	0.00087

0.00111	0.0011	0.00109	0.00108	0.00107	0.00106	0.00105	0.00105	0.00104
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.001019	0.00101	0.001001	0.000992	0.000983	0.000974	0.000964	0.000964	0.000955

0.00111	0.0011	0.00109	0.00108	0.00107	0.00106	0.00105	0.00105	0.00104

2002	2003	2004	2005	2006	2007	2008	2009	2010
0.000571	0.000566	0.000561	0.000556	0.000551	0.000546	0.000541	0.000536	0.000536

0.000577	0.000571	0.000566	0.000561	0.000556	0.000551	0.000546	0.000541	0.000536
0.000582	0.000577	0.000571	0.000566	0.000561	0.000556	0.000551	0.000546	0.000541
0.000587	0.000582	0.000577	0.000571	0.000566	0.000561	0.000556	0.000551	0.000546
0.000592	0.000587	0.000582	0.000577	0.000571	0.000566	0.000561	0.000556	0.000551
0.000597	0.000592	0.000587	0.000582	0.000577	0.000571	0.000566	0.000561	0.000556
0.000602	0.000597	0.000592	0.000587	0.000582	0.000577	0.000571	0.000566	0.000561
0.000607	0.000602	0.000597	0.000592	0.000587	0.000582	0.000577	0.000571	0.000566
0.000612	0.000607	0.000602	0.000597	0.000592	0.000587	0.000582	0.000577	0.000571
0.000617	0.000612	0.000607	0.000602	0.000597	0.000592	0.000587	0.000582	0.000577
0.000722	0.000716	0.00071	0.000704	0.000699	0.000693	0.000687	0.000681	0.000675
0.000728	0.000722	0.000716	0.00071	0.000704	0.000699	0.000693	0.000687	0.000681
0.000734	0.000728	0.000722	0.000716	0.00071	0.000704	0.000699	0.000693	0.000687
0.00074	0.000734	0.000728	0.000722	0.000716	0.00071	0.000704	0.000699	0.000693
0.000746	0.00074	0.000734	0.000728	0.000722	0.000716	0.00071	0.000704	0.000699
0.000752	0.000746	0.00074	0.000734	0.000728	0.000722	0.000716	0.00071	0.000704
0.000764	0.000752	0.000746	0.00074	0.000734	0.000728	0.000722	0.000716	0.00071
0.000776	0.000764	0.000752	0.000746	0.00074	0.000734	0.000728	0.000722	0.000716
0.000787	0.000776	0.000764	0.000752	0.000746	0.00074	0.000734	0.000728	0.000722
0.000799	0.000787	0.000776	0.000764	0.000752	0.000746	0.00074	0.000734	0.000728
0.000923	0.000909	0.000896	0.000882	0.000869	0.000855	0.000849	0.000842	0.000835
0.000936	0.000923	0.000909	0.000896	0.000882	0.000869	0.000855	0.000849	0.000842
0.000957	0.000936	0.000923	0.000909	0.000896	0.000882	0.000869	0.000855	0.000849
0.000977	0.000957	0.000936	0.000923	0.000909	0.000896	0.000882	0.000869	0.000855
0.00097	0.000977	0.000957	0.000936	0.000923	0.000909	0.000896	0.000882	0.000869
0.000963	0.00097	0.000977	0.000957	0.000936	0.000923	0.000909	0.000896	0.000882
0.000957	0.000963	0.00097	0.000977	0.000957	0.000936	0.000923	0.000909	0.000896
0.00095	0.000957	0.000963	0.00097	0.000977	0.000957	0.000936	0.000923	0.000909
0.000943	0.00095	0.000957	0.000963	0.00097	0.000977	0.000957	0.000936	0.000923
0.000936	0.000943	0.00095	0.000957	0.000963	0.00097	0.000977	0.000957	0.000936
0.001042	0.00105	0.001057	0.001065	0.001072	0.00108	0.001087	0.001095	0.001072
0.001035	0.001042	0.00105	0.001057	0.001065	0.001072	0.00108	0.001087	0.001095
0.00102	0.001035	0.001042	0.00105	0.001057	0.001065	0.001072	0.00108	0.001087
0.001004	0.00102	0.001035	0.001042	0.00105	0.001057	0.001065	0.001072	0.00108
0.000989	0.001004	0.00102	0.001035	0.001042	0.00105	0.001057	0.001065	0.001072
0.000974	0.000989	0.001004	0.00102	0.001035	0.001042	0.00105	0.001057	0.001065
0.000952	0.000974	0.000989	0.001004	0.00102	0.001035	0.001042	0.00105	0.001057
0.000929	0.000952	0.000974	0.000989	0.001004	0.00102	0.001035	0.001042	0.00105
0.000906	0.000929	0.000952	0.000974	0.000989	0.001004	0.00102	0.001035	0.001042
0.000884	0.000906	0.000929	0.000952	0.000974	0.000989	0.001004	0.00102	0.001035
0.000954	0.000979	0.001004	0.001029	0.001054	0.001079	0.001096	0.001113	0.00113
0.00092	0.000954	0.000979	0.001004	0.001029	0.001054	0.001079	0.001096	0.001113
0.000879	0.00092	0.000954	0.000979	0.001004	0.001029	0.001054	0.001079	0.001096
0.000837	0.000879	0.00092	0.000954	0.000979	0.001004	0.001029	0.001054	0.001079
0.000816	0.000837	0.000879	0.00092	0.000954	0.000979	0.001004	0.001029	0.001054
0.000753	0.000816	0.000837	0.000879	0.00092	0.000954	0.000979	0.001004	0.001029
0.000711	0.000753	0.000816	0.000837	0.000879	0.00092	0.000954	0.000979	0.001004
0.000669	0.000711	0.000753	0.000816	0.000837	0.000879	0.00092	0.000954	0.000979
0.000552	0.000669	0.000711	0.000753	0.000816	0.000837	0.000879	0.00092	0.000954
0.000335	0.000552	0.000669	0.000711	0.000753	0.000816	0.000837	0.000879	0.00092

0.000184	0.000367	0.000606	0.000735	0.000781	0.000827	0.000895	0.000918	0.000964
9.18E-05	0.000184	0.000367	0.000606	0.000735	0.000781	0.000827	0.000895	0.000918
0	9.18E-05	0.000184	0.000367	0.000606	0.000735	0.000781	0.000827	0.000895
	0	9.18E-05	0.000184	0.000367	0.000606	0.000735	0.000781	0.000827
		0	9.18E-05	0.000184	0.000367	0.000606	0.000735	0.000781
			0	9.18E-05	0.000184	0.000367	0.000606	0.000735
				0	9.18E-05	0.000184	0.000367	0.000606
					0	9.18E-05	0.000184	0.000367
						0	9.18E-05	0.000184
							0	9.18E-05
								0

0.04044	0.041457	0.042491	0.043532	0.044573	0.045613	0.046656	0.047696	0.048738
2002	2003	2004	2005	2006	2007	2008	2009	2010
2002	2003	2004	2005	2006	2007	2008	2009	2010
0.04044	0.041457	0.042491	0.043532	0.044573	0.045613	0.046656	0.047696	0.048738
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.021433	0.021972	0.02252	0.023072	0.023623	0.024175	0.024728	0.025279	0.025831

2073	2074	2075	2076	2077	2078	2079	2080	2081
0.00104	0.00103	0.00103	0.00102	0.00102	0.00101	0.00101	0.001	0.001
0.00104	0.00103	0.00103	0.00102	0.00102	0.00101	0.00101	0.001	0.001
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.000531	0.000526	0.000526	0.00052	0.00052	0.000515	0.000515	0.00051	0.00051
0.00104	0.00103	0.00103	0.00102	0.00102	0.00101	0.00101	0.001	0.001
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.000616	0.00061	0.00061	0.000604	0.000604	0.000598	0.000598	0.000592	0.000592
0.00104	0.00103	0.00103	0.00102	0.00102	0.00101	0.00101	0.001	0.001
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000701	0.000694	0.000694	0.000687	0.000687	0.00068	0.00068	0.000674	0.000674
0.00104	0.00103	0.00103	0.00102	0.00102	0.00101	0.00101	0.001	0.001
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.000785	0.000778	0.000778	0.00077	0.00077	0.000763	0.000763	0.000755	0.000755
0.00104	0.00103	0.00103	0.00102	0.00102	0.00101	0.00101	0.001	0.001
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.00087	0.000862	0.000862	0.000854	0.000854	0.000845	0.000845	0.000837	0.000837
0.00104	0.00103	0.00103	0.00102	0.00102	0.00101	0.00101	0.001	0.001
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.000955	0.000946	0.000946	0.000937	0.000937	0.000928	0.000928	0.000918	0.000918
0.00104	0.00103	0.00103	0.00102	0.00102	0.00101	0.00101	0.001	0.001

2011	2012	2013	2014	2015	2016	2017	2018	2019
0.000531	0.000531	0.000526	0.000526	0.00052	0.00052	0.000515	0.000515	0.00051

0.000536	0.000531	0.000531	0.000526	0.000526	0.00052	0.00052	0.000515	0.000515
0.000536	0.000536	0.000531	0.000531	0.000526	0.000526	0.00052	0.00052	0.000515
0.000541	0.000536	0.000536	0.000531	0.000531	0.000526	0.000526	0.00052	0.00052
0.000546	0.000541	0.000536	0.000536	0.000531	0.000531	0.000526	0.000526	0.00052
0.000551	0.000546	0.000541	0.000536	0.000536	0.000531	0.000531	0.000526	0.000526
0.000556	0.000551	0.000546	0.000541	0.000536	0.000536	0.000531	0.000531	0.000526
0.000561	0.000556	0.000551	0.000546	0.000541	0.000536	0.000536	0.000531	0.000531
0.000566	0.000561	0.000556	0.000551	0.000546	0.000541	0.000536	0.000536	0.000531
0.000571	0.000566	0.000561	0.000556	0.000551	0.000546	0.000541	0.000536	0.000536
0.000669	0.000663	0.000657	0.000651	0.000645	0.000639	0.000633	0.000628	0.000622
0.000675	0.000669	0.000663	0.000657	0.000651	0.000645	0.000639	0.000633	0.000628
0.000681	0.000675	0.000669	0.000663	0.000657	0.000651	0.000645	0.000639	0.000633
0.000687	0.000681	0.000675	0.000669	0.000663	0.000657	0.000651	0.000645	0.000639
0.000693	0.000687	0.000681	0.000675	0.000669	0.000663	0.000657	0.000651	0.000645
0.000699	0.000693	0.000687	0.000681	0.000675	0.000669	0.000663	0.000657	0.000651
0.000704	0.000699	0.000693	0.000687	0.000681	0.000675	0.000669	0.000663	0.000657
0.00071	0.000704	0.000699	0.000693	0.000687	0.000681	0.000675	0.000669	0.000663
0.000716	0.00071	0.000704	0.000699	0.000693	0.000687	0.000681	0.000675	0.000669
0.000722	0.000716	0.00071	0.000704	0.000699	0.000693	0.000687	0.000681	0.000675
0.000829	0.000822	0.000815	0.000808	0.000802	0.000795	0.000788	0.000781	0.000775
0.000835	0.000829	0.000822	0.000815	0.000808	0.000802	0.000795	0.000788	0.000781
0.000842	0.000835	0.000829	0.000822	0.000815	0.000808	0.000802	0.000795	0.000788
0.000849	0.000842	0.000835	0.000829	0.000822	0.000815	0.000808	0.000802	0.000795
0.000855	0.000849	0.000842	0.000835	0.000829	0.000822	0.000815	0.000808	0.000802
0.000869	0.000855	0.000849	0.000842	0.000835	0.000829	0.000822	0.000815	0.000808
0.000882	0.000869	0.000855	0.000849	0.000842	0.000835	0.000829	0.000822	0.000815
0.000896	0.000882	0.000869	0.000855	0.000849	0.000842	0.000835	0.000829	0.000822
0.000909	0.000896	0.000882	0.000869	0.000855	0.000849	0.000842	0.000835	0.000829
0.000923	0.000909	0.000896	0.000882	0.000869	0.000855	0.000849	0.000842	0.000835
0.00105	0.001035	0.00102	0.001004	0.000989	0.000974	0.000959	0.000952	0.000944
0.001072	0.00105	0.001035	0.00102	0.001004	0.000989	0.000974	0.000959	0.000952
0.001095	0.001072	0.00105	0.001035	0.00102	0.001004	0.000989	0.000974	0.000959
0.001087	0.001095	0.001072	0.00105	0.001035	0.00102	0.001004	0.000989	0.000974
0.00108	0.001087	0.001095	0.001072	0.00105	0.001035	0.00102	0.001004	0.000989
0.001072	0.00108	0.001087	0.001095	0.001072	0.00105	0.001035	0.00102	0.001004
0.001065	0.001072	0.00108	0.001087	0.001095	0.001072	0.00105	0.001035	0.00102
0.001057	0.001065	0.001072	0.00108	0.001087	0.001095	0.001072	0.00105	0.001035
0.00105	0.001057	0.001065	0.001072	0.00108	0.001087	0.001095	0.001072	0.00105
0.001042	0.00105	0.001057	0.001065	0.001072	0.00108	0.001087	0.001095	0.001072
0.001146	0.001155	0.001163	0.001172	0.00118	0.001188	0.001197	0.001205	0.001213
0.00113	0.001146	0.001155	0.001163	0.001172	0.00118	0.001188	0.001197	0.001205
0.001113	0.00113	0.001146	0.001155	0.001163	0.001172	0.00118	0.001188	0.001197
0.001096	0.001113	0.00113	0.001146	0.001155	0.001163	0.001172	0.00118	0.001188
0.001079	0.001096	0.001113	0.00113	0.001146	0.001155	0.001163	0.001172	0.00118
0.001054	0.001079	0.001096	0.001113	0.00113	0.001146	0.001155	0.001163	0.001172
0.001029	0.001054	0.001079	0.001096	0.001113	0.00113	0.001146	0.001155	0.001163
0.001004	0.001029	0.001054	0.001079	0.001096	0.001113	0.00113	0.001146	0.001155
0.000979	0.001004	0.001029	0.001054	0.001079	0.001096	0.001113	0.00113	0.001146
0.000954	0.000979	0.001004	0.001029	0.001054	0.001079	0.001096	0.001113	0.00113

0.00101	0.001047	0.001075	0.001102	0.00113	0.001157	0.001185	0.001203	0.001221
0.000964	0.00101	0.001047	0.001075	0.001102	0.00113	0.001157	0.001185	0.001203
0.000918	0.000964	0.00101	0.001047	0.001075	0.001102	0.00113	0.001157	0.001185
0.000895	0.000918	0.000964	0.00101	0.001047	0.001075	0.001102	0.00113	0.001157
0.000827	0.000895	0.000918	0.000964	0.00101	0.001047	0.001075	0.001102	0.00113
0.000781	0.000827	0.000895	0.000918	0.000964	0.00101	0.001047	0.001075	0.001102
0.000735	0.000781	0.000827	0.000895	0.000918	0.000964	0.00101	0.001047	0.001075
0.000606	0.000735	0.000781	0.000827	0.000895	0.000918	0.000964	0.00101	0.001047
0.000367	0.000606	0.000735	0.000781	0.000827	0.000895	0.000918	0.000964	0.00101
0.000184	0.000367	0.000606	0.000735	0.000781	0.000827	0.000895	0.000918	0.000964
9.18E-05	0.000184	0.000367	0.000606	0.000735	0.000781	0.000827	0.000895	0.000918
0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009	0.000975
	0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085	0.0009
		0	0.0001	0.0002	0.0004	0.00066	0.0008	0.00085
			0	0.0001	0.0002	0.0004	0.00066	0.0008
				0	0.0001	0.0002	0.0004	0.00066
					0	0.0001	0.0002	0.0004
0.049776	0.050823	0.051874	0.052941	0.054023	0.055118	0.056211	0.057208	0.058107
2011	2012	2013	2014	2015	2016	2017	2018	2019
2011	2012	2013	2014	2015	2016	2017	2018	2019
0.049776	0.050823	0.051874	0.052941	0.054023	0.055118	0.056211	0.057208	0.058107
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.026381	0.026936	0.027493	0.028059	0.028632	0.029212	0.029792	0.03032	0.030797

2082	2083	2084	2085	2086	2087	2088	2089	2090
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000674	0.000674	0.000674	0.000674	0.000674	0.000674	0.000674	0.000674	0.000674
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.000755	0.000755	0.000755	0.000755	0.000755	0.000755	0.000755	0.000755	0.000755
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.000837	0.000837	0.000837	0.000837	0.000837	0.000837	0.000837	0.000837	0.000837
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.000918	0.000918	0.000918	0.000918	0.000918	0.000918	0.000918	0.000918	0.000918
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

2020	2021	2022	2023	2024	2025	2026	2027	2028
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051

0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.000515	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.000515	0.000515	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.00052	0.000515	0.000515	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.00052	0.00052	0.000515	0.000515	0.00051	0.00051	0.00051	0.00051	0.00051
0.000526	0.00052	0.00052	0.000515	0.000515	0.00051	0.00051	0.00051	0.00051
0.000526	0.000526	0.00052	0.00052	0.000515	0.000515	0.00051	0.00051	0.00051
0.000531	0.000526	0.000526	0.00052	0.00052	0.000515	0.000515	0.00051	0.00051
0.000531	0.000531	0.000526	0.000526	0.00052	0.00052	0.000515	0.000515	0.00051
0.000622	0.000616	0.000616	0.00061	0.00061	0.000604	0.000604	0.000598	0.000598
0.000622	0.000622	0.000616	0.000616	0.00061	0.00061	0.000604	0.000604	0.000598
0.000628	0.000622	0.000622	0.000616	0.000616	0.00061	0.00061	0.000604	0.000604
0.000633	0.000628	0.000622	0.000622	0.000616	0.000616	0.00061	0.00061	0.000604
0.000639	0.000633	0.000628	0.000622	0.000622	0.000616	0.000616	0.00061	0.00061
0.000645	0.000639	0.000633	0.000628	0.000622	0.000622	0.000616	0.000616	0.00061
0.000651	0.000645	0.000639	0.000633	0.000628	0.000622	0.000622	0.000616	0.000616
0.000657	0.000651	0.000645	0.000639	0.000633	0.000628	0.000622	0.000622	0.000616
0.000663	0.000657	0.000651	0.000645	0.000639	0.000633	0.000628	0.000622	0.000622
0.000669	0.000663	0.000657	0.000651	0.000645	0.000639	0.000633	0.000628	0.000622
0.000768	0.000761	0.000754	0.000748	0.000741	0.000734	0.000727	0.000721	0.000714
0.000775	0.000768	0.000761	0.000754	0.000748	0.000741	0.000734	0.000727	0.000721
0.000781	0.000775	0.000768	0.000761	0.000754	0.000748	0.000741	0.000734	0.000727
0.000788	0.000781	0.000775	0.000768	0.000761	0.000754	0.000748	0.000741	0.000734
0.000795	0.000788	0.000781	0.000775	0.000768	0.000761	0.000754	0.000748	0.000741
0.000802	0.000795	0.000788	0.000781	0.000775	0.000768	0.000761	0.000754	0.000748
0.000808	0.000802	0.000795	0.000788	0.000781	0.000775	0.000768	0.000761	0.000754
0.000815	0.000808	0.000802	0.000795	0.000788	0.000781	0.000775	0.000768	0.000761
0.000822	0.000815	0.000808	0.000802	0.000795	0.000788	0.000781	0.000775	0.000768
0.000829	0.000822	0.000815	0.000808	0.000802	0.000795	0.000788	0.000781	0.000775
0.000936	0.000929	0.000921	0.000914	0.000906	0.000899	0.000891	0.000884	0.000876
0.000944	0.000936	0.000929	0.000921	0.000914	0.000906	0.000899	0.000891	0.000884
0.000952	0.000944	0.000936	0.000929	0.000921	0.000914	0.000906	0.000899	0.000891
0.000959	0.000952	0.000944	0.000936	0.000929	0.000921	0.000914	0.000906	0.000899
0.000974	0.000959	0.000952	0.000944	0.000936	0.000929	0.000921	0.000914	0.000906
0.000989	0.000974	0.000959	0.000952	0.000944	0.000936	0.000929	0.000921	0.000914
0.001004	0.000989	0.000974	0.000959	0.000952	0.000944	0.000936	0.000929	0.000921
0.00102	0.001004	0.000989	0.000974	0.000959	0.000952	0.000944	0.000936	0.000929
0.001035	0.00102	0.001004	0.000989	0.000974	0.000959	0.000952	0.000944	0.000936
0.00105	0.001035	0.00102	0.001004	0.000989	0.000974	0.000959	0.000952	0.000944
0.001188	0.001163	0.001146	0.00113	0.001113	0.001096	0.001079	0.001063	0.001054
0.001213	0.001188	0.001163	0.001146	0.00113	0.001113	0.001096	0.001079	0.001063
0.001205	0.001213	0.001188	0.001163	0.001146	0.00113	0.001113	0.001096	0.001079
0.001197	0.001205	0.001213	0.001188	0.001163	0.001146	0.00113	0.001113	0.001096
0.001188	0.001197	0.001205	0.001213	0.001188	0.001163	0.001146	0.00113	0.001113
0.00118	0.001188	0.001197	0.001205	0.001213	0.001188	0.001163	0.001146	0.00113
0.001172	0.00118	0.001188	0.001197	0.001205	0.001213	0.001188	0.001163	0.001146
0.001163	0.001172	0.00118	0.001188	0.001197	0.001205	0.001213	0.001188	0.001163
0.001155	0.001163	0.001172	0.00118	0.001188	0.001197	0.001205	0.001213	0.001188
0.001146	0.001155	0.001163	0.001172	0.00118	0.001188	0.001197	0.001205	0.001213

0.00124	0.001258	0.001267	0.001277	0.001286	0.001295	0.001304	0.001313	0.001322
0.001221	0.00124	0.001258	0.001267	0.001277	0.001286	0.001295	0.001304	0.001313
0.001203	0.001221	0.00124	0.001258	0.001267	0.001277	0.001286	0.001295	0.001304
0.001185	0.001203	0.001221	0.00124	0.001258	0.001267	0.001277	0.001286	0.001295
0.001157	0.001185	0.001203	0.001221	0.00124	0.001258	0.001267	0.001277	0.001286
0.00113	0.001157	0.001185	0.001203	0.001221	0.00124	0.001258	0.001267	0.001277
0.001102	0.00113	0.001157	0.001185	0.001203	0.001221	0.00124	0.001258	0.001267
0.001075	0.001102	0.00113	0.001157	0.001185	0.001203	0.001221	0.00124	0.001258
0.001047	0.001075	0.001102	0.00113	0.001157	0.001185	0.001203	0.001221	0.00124
0.00101	0.001047	0.001075	0.001102	0.00113	0.001157	0.001185	0.001203	0.001221
0.000964	0.00101	0.001047	0.001075	0.001102	0.00113	0.001157	0.001185	0.001203
0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126	0.00129
0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123	0.00126
0.0009	0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012	0.00123
0.00085	0.0009	0.000975	0.001	0.00105	0.0011	0.00114	0.00117	0.0012
0.0008	0.00085	0.0009	0.000975	0.001	0.00105	0.0011	0.00114	0.00117
0.00066	0.0008	0.00085	0.0009	0.000975	0.001	0.00105	0.0011	0.00114

0.058805	0.059243	0.059544	0.059794	0.059994	0.060119	0.060219	0.060267	0.060267

2020	2021	2022	2023	2024	2025	2026	2027	2028

2020	2021	2022	2023	2024	2025	2026	2027	2028
0.058805	0.059243	0.059544	0.059794	0.059994	0.060119	0.060219	0.060267	0.060267
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.031166	0.031399	0.031558	0.031691	0.031797	0.031863	0.031916	0.031942	0.031941

2091	2092	2093	2094	2095	2096	2097	2098	2099
0.001	0.001	0.001	0.001	0.0009	0.0009	0.0009	0.0009	0.0009
0.001	0.001	0.001	0.001	0.0009	0.0009	0.0009	0.0009	0.0009
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.00051	0.00051	0.00051	0.00051	0.000459	0.000459	0.000459	0.000459	0.000459
0.001	0.001	0.001	0.001	0.0009	0.0009	0.0009	0.0009	0.0009
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.000592	0.000592	0.000592	0.000592	0.000533	0.000533	0.000533	0.000533	0.000533
0.001	0.001	0.001	0.001	0.0009	0.0009	0.0009	0.0009	0.0009
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000674	0.000674	0.000674	0.000674	0.000606	0.000606	0.000606	0.000606	0.000606
0.001	0.001	0.001	0.001	0.0009	0.0009	0.0009	0.0009	0.0009
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.000755	0.000755	0.000755	0.000755	0.00068	0.00068	0.00068	0.00068	0.00068
0.001	0.001	0.001	0.001	0.0009	0.0009	0.0009	0.0009	0.0009
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.000837	0.000837	0.000837	0.000837	0.000753	0.000753	0.000753	0.000753	0.000753
0.001	0.001	0.001	0.001	0.0009	0.0009	0.0009	0.0009	0.0009
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.000918	0.000918	0.000918	0.000918	0.000827	0.000827	0.000827	0.000827	0.000827
0.001	0.001	0.001	0.001	0.0009	0.0009	0.0009	0.0009	0.0009

2029	2030	2031	2032	2033	2034	2035	2036	2037
0.00051	0.00051	0.00051	0.00051	0.00051	0.000459	0.000459	0.000459	0.000459

0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.000459	0.000459	0.000459
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.000459	0.000459
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.000459
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051	0.00051
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000598	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000598	0.000598	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000604	0.000598	0.000598	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000604	0.000604	0.000598	0.000598	0.000592	0.000592	0.000592	0.000592	0.000592
0.00061	0.000604	0.000604	0.000598	0.000598	0.000592	0.000592	0.000592	0.000592
0.00061	0.00061	0.000604	0.000604	0.000598	0.000598	0.000592	0.000592	0.000592
0.000616	0.00061	0.00061	0.000604	0.000604	0.000598	0.000598	0.000592	0.000592
0.000616	0.000616	0.00061	0.00061	0.000604	0.000604	0.000598	0.000598	0.000592
0.000622	0.000616	0.000616	0.00061	0.00061	0.000604	0.000604	0.000598	0.000598
0.000707	0.000707	0.000701	0.000701	0.000694	0.000694	0.000687	0.000687	0.00068
0.000714	0.000707	0.000707	0.000701	0.000701	0.000694	0.000694	0.000687	0.000687
0.000721	0.000714	0.000707	0.000707	0.000701	0.000701	0.000694	0.000694	0.000687
0.000727	0.000721	0.000714	0.000707	0.000707	0.000701	0.000701	0.000694	0.000694
0.000734	0.000727	0.000721	0.000714	0.000707	0.000707	0.000701	0.000701	0.000694
0.000741	0.000734	0.000727	0.000721	0.000714	0.000707	0.000707	0.000701	0.000701
0.000748	0.000741	0.000734	0.000727	0.000721	0.000714	0.000707	0.000707	0.000701
0.000754	0.000748	0.000741	0.000734	0.000727	0.000721	0.000714	0.000707	0.000707
0.000761	0.000754	0.000748	0.000741	0.000734	0.000727	0.000721	0.000714	0.000707
0.000768	0.000761	0.000754	0.000748	0.000741	0.000734	0.000727	0.000721	0.000714
0.000868	0.000861	0.000853	0.000846	0.000838	0.000831	0.000823	0.000816	0.000808
0.000876	0.000868	0.000861	0.000853	0.000846	0.000838	0.000831	0.000823	0.000816
0.000884	0.000876	0.000868	0.000861	0.000853	0.000846	0.000838	0.000831	0.000823
0.000891	0.000884	0.000876	0.000868	0.000861	0.000853	0.000846	0.000838	0.000831
0.000899	0.000891	0.000884	0.000876	0.000868	0.000861	0.000853	0.000846	0.000838
0.000906	0.000899	0.000891	0.000884	0.000876	0.000868	0.000861	0.000853	0.000846
0.000914	0.000906	0.000899	0.000891	0.000884	0.000876	0.000868	0.000861	0.000853
0.000921	0.000914	0.000906	0.000899	0.000891	0.000884	0.000876	0.000868	0.000861
0.000929	0.000921	0.000914	0.000906	0.000899	0.000891	0.000884	0.000876	0.000868
0.000936	0.000929	0.000921	0.000914	0.000906	0.000899	0.000891	0.000884	0.000876
0.001046	0.001038	0.001029	0.001021	0.001013	0.001004	0.000996	0.000987	0.000979
0.001054	0.001046	0.001038	0.001029	0.001021	0.001013	0.001004	0.000996	0.000987
0.001063	0.001054	0.001046	0.001038	0.001029	0.001021	0.001013	0.001004	0.000996
0.001079	0.001063	0.001054	0.001046	0.001038	0.001029	0.001021	0.001013	0.001004
0.001096	0.001079	0.001063	0.001054	0.001046	0.001038	0.001029	0.001021	0.001013
0.001113	0.001096	0.001079	0.001063	0.001054	0.001046	0.001038	0.001029	0.001021
0.00113	0.001113	0.001096	0.001079	0.001063	0.001054	0.001046	0.001038	0.001029
0.001146	0.00113	0.001113	0.001096	0.001079	0.001063	0.001054	0.001046	0.001038
0.001163	0.001146	0.00113	0.001113	0.001096	0.001079	0.001063	0.001054	0.001046
0.001188	0.001163	0.001146	0.00113	0.001113	0.001096	0.001079	0.001063	0.001054

0.001332	0.001304	0.001277	0.001258	0.00124	0.001221	0.001203	0.001185	0.001166
0.001322	0.001332	0.001304	0.001277	0.001258	0.00124	0.001221	0.001203	0.001185
0.001313	0.001322	0.001332	0.001304	0.001277	0.001258	0.00124	0.001221	0.001203
0.001304	0.001313	0.001322	0.001332	0.001304	0.001277	0.001258	0.00124	0.001221
0.001295	0.001304	0.001313	0.001322	0.001332	0.001304	0.001277	0.001258	0.00124
0.001286	0.001295	0.001304	0.001313	0.001322	0.001332	0.001304	0.001277	0.001258
0.001277	0.001286	0.001295	0.001304	0.001313	0.001322	0.001332	0.001304	0.001277
0.001267	0.001277	0.001286	0.001295	0.001304	0.001313	0.001322	0.001332	0.001304
0.001258	0.001267	0.001277	0.001286	0.001295	0.001304	0.001313	0.001322	0.001332
0.00124	0.001258	0.001267	0.001277	0.001286	0.001295	0.001304	0.001313	0.001322
0.001221	0.00124	0.001258	0.001267	0.001277	0.001286	0.001295	0.001304	0.001313
0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141	0.00142
0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014	0.00141
0.00126	0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139	0.0014
0.00123	0.00126	0.00129	0.00131	0.00133	0.00135	0.00137	0.00138	0.00139
0.0012	0.00123	0.00126	0.00129	0.00131	0.00133	0.00135	0.00137	0.00138
0.00117	0.0012	0.00123	0.00126	0.00129	0.00131	0.00133	0.00135	0.00137

0.060226	0.060152	0.060045	0.059906	0.059734	0.059479	0.0592	0.058899	0.058575

2029	2030	2031	2032	2033	2034	2035	2036	2037

2029	2030	2031	2032	2033	2034	2035	2036	2037
0.060226	0.060152	0.060045	0.059906	0.059734	0.059479	0.0592	0.058899	0.058575
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.03192	0.031881	0.031824	0.03175	0.031659	0.031524	0.031376	0.031217	0.031045

2100	2101	2102	2103	2104	2105	2106	2107	2108
0.0009	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085
0.0009	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085
0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102	0.5102
0.000459	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434
0.0009	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085
0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592
0.000533	0.000503	0.000503	0.000503	0.000503	0.000503	0.000503	0.000503	0.000503
0.0009	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085
0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736	0.6736
0.000606	0.000573	0.000573	0.000573	0.000573	0.000573	0.000573	0.000573	0.000573
0.0009	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085
0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552	0.7552
0.00068	0.000642	0.000642	0.000642	0.000642	0.000642	0.000642	0.000642	0.000642
0.0009	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085
0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
0.000753	0.000711	0.000711	0.000711	0.000711	0.000711	0.000711	0.000711	0.000711
0.0009	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085
0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184	0.9184
0.000827	0.000781	0.000781	0.000781	0.000781	0.000781	0.000781	0.000781	0.000781
0.0009	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085

2038	2039	2040	2041	2042	2043	2044	2045	2046
0.000459	0.000459	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434

0.000459	0.000459	0.000459	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434
0.000459	0.000459	0.000459	0.000459	0.000434	0.000434	0.000434	0.000434	0.000434
0.000459	0.000459	0.000459	0.000459	0.000459	0.000434	0.000434	0.000434	0.000434
0.000459	0.000459	0.000459	0.000459	0.000459	0.000459	0.000434	0.000434	0.000434
0.00051	0.000459	0.000459	0.000459	0.000459	0.000459	0.000459	0.000434	0.000434
0.00051	0.00051	0.000459	0.000459	0.000459	0.000459	0.000459	0.000459	0.000434
0.00051	0.00051	0.00051	0.000459	0.000459	0.000459	0.000459	0.000459	0.000459
0.00051	0.00051	0.00051	0.00051	0.000459	0.000459	0.000459	0.000459	0.000459
0.00051	0.00051	0.00051	0.00051	0.00051	0.000459	0.000459	0.000459	0.000459
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000533	0.000533	0.000533
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000533	0.000533
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000533
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592	0.000592
0.00068	0.000674	0.000674	0.000674	0.000674	0.000674	0.000674	0.000674	0.000674
0.00068	0.00068	0.000674	0.000674	0.000674	0.000674	0.000674	0.000674	0.000674
0.000687	0.00068	0.00068	0.000674	0.000674	0.000674	0.000674	0.000674	0.000674
0.000687	0.000687	0.00068	0.00068	0.000674	0.000674	0.000674	0.000674	0.000674
0.000694	0.000687	0.000687	0.00068	0.00068	0.000674	0.000674	0.000674	0.000674
0.000694	0.000694	0.000687	0.000687	0.00068	0.00068	0.000674	0.000674	0.000674
0.000701	0.000694	0.000694	0.000687	0.000687	0.00068	0.00068	0.000674	0.000674
0.000701	0.000701	0.000694	0.000694	0.000687	0.000687	0.00068	0.00068	0.000674
0.000707	0.000701	0.000701	0.000694	0.000694	0.000687	0.000687	0.00068	0.00068
0.000707	0.000707	0.000701	0.000701	0.000694	0.000694	0.000687	0.000687	0.00068
0.000801	0.000793	0.000793	0.000785	0.000785	0.000778	0.000778	0.00077	0.00077
0.000808	0.000801	0.000793	0.000793	0.000785	0.000785	0.000778	0.000778	0.00077
0.000816	0.000808	0.000801	0.000793	0.000793	0.000785	0.000785	0.000778	0.000778
0.000823	0.000816	0.000808	0.000801	0.000793	0.000793	0.000785	0.000785	0.000778
0.000831	0.000823	0.000816	0.000808	0.000801	0.000793	0.000793	0.000785	0.000785
0.000838	0.000831	0.000823	0.000816	0.000808	0.000801	0.000793	0.000793	0.000785
0.000846	0.000838	0.000831	0.000823	0.000816	0.000808	0.000801	0.000793	0.000793
0.000853	0.000846	0.000838	0.000831	0.000823	0.000816	0.000808	0.000801	0.000793
0.000861	0.000853	0.000846	0.000838	0.000831	0.000823	0.000816	0.000808	0.000801
0.000868	0.000861	0.000853	0.000846	0.000838	0.000831	0.000823	0.000816	0.000808
0.000971	0.000962	0.000954	0.000946	0.000937	0.000929	0.00092	0.000912	0.000904
0.000979	0.000971	0.000962	0.000954	0.000946	0.000937	0.000929	0.00092	0.000912
0.000987	0.000979	0.000971	0.000962	0.000954	0.000946	0.000937	0.000929	0.00092
0.000996	0.000987	0.000979	0.000971	0.000962	0.000954	0.000946	0.000937	0.000929
0.001004	0.000996	0.000987	0.000979	0.000971	0.000962	0.000954	0.000946	0.000937
0.001013	0.001004	0.000996	0.000987	0.000979	0.000971	0.000962	0.000954	0.000946
0.001021	0.001013	0.001004	0.000996	0.000987	0.000979	0.000971	0.000962	0.000954
0.001029	0.001021	0.001013	0.001004	0.000996	0.000987	0.000979	0.000971	0.000962
0.001038	0.001029	0.001021	0.001013	0.001004	0.000996	0.000987	0.000979	0.000971
0.001046	0.001038	0.001029	0.001021	0.001013	0.001004	0.000996	0.000987	0.000979

0.001157	0.001148	0.001139	0.00113	0.00112	0.001111	0.001102	0.001093	0.001084
0.001166	0.001157	0.001148	0.001139	0.00113	0.00112	0.001111	0.001102	0.001093
0.001185	0.001166	0.001157	0.001148	0.001139	0.00113	0.00112	0.001111	0.001102
0.001203	0.001185	0.001166	0.001157	0.001148	0.001139	0.00113	0.00112	0.001111
0.001221	0.001203	0.001185	0.001166	0.001157	0.001148	0.001139	0.00113	0.00112
0.00124	0.001221	0.001203	0.001185	0.001166	0.001157	0.001148	0.001139	0.00113
0.001258	0.00124	0.001221	0.001203	0.001185	0.001166	0.001157	0.001148	0.001139
0.001277	0.001258	0.00124	0.001221	0.001203	0.001185	0.001166	0.001157	0.001148
0.001304	0.001277	0.001258	0.00124	0.001221	0.001203	0.001185	0.001166	0.001157
0.001332	0.001304	0.001277	0.001258	0.00124	0.001221	0.001203	0.001185	0.001166
0.001322	0.001332	0.001304	0.001277	0.001258	0.00124	0.001221	0.001203	0.001185
0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133	0.00131
0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135	0.00133
0.00141	0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137	0.00135
0.0014	0.00141	0.00142	0.00143	0.00144	0.00145	0.00142	0.00139	0.00137
0.00139	0.0014	0.00141	0.00142	0.00143	0.00144	0.00145	0.00142	0.00139
0.00138	0.00139	0.0014	0.00141	0.00142	0.00143	0.00144	0.00145	0.00142

0.058229	0.057871	0.057476	0.057066	0.056643	0.056205	0.055746	0.055272	0.054786

2038	2039	2040	2041	2042	2043	2044	2045	2046

2038	2039	2040	2041	2042	2043	2044	2045	2046

0.058229	0.057871	0.057476	0.057066	0.056643	0.056205	0.055746	0.055272	0.054786
0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
0.030861	0.030672	0.030462	0.030245	0.030021	0.029789	0.029545	0.029294	0.029037

2109	2110	2111
0.00085	0.00085	0.00085
0.00085	0.00085	0.00085
0.5102	0.5102	0.5102
0.000434	0.000434	0.000434
0.00085	0.00085	0.00085
0.592	0.592	0.592
0.000503	0.000503	0.000503
0.00085	0.00085	0.00085
0.6736	0.6736	0.6736
0.000573	0.000573	0.000573
0.00085	0.00085	0.00085
0.7552	0.7552	0.7552
0.000642	0.000642	0.000642
0.00085	0.00085	0.00085
0.8368	0.8368	0.8368
0.000711	0.000711	0.000711
0.00085	0.00085	0.00085
0.9184	0.9184	0.9184
0.000781	0.000781	0.000781
0.00085	0.00085	0.00085

2047	2048	2049	2050	2051	2052	2053	2054	2055
0.000434	0.000434	0.000434	0.000434					

0.000434	0.000434	0.000434	0.000434	0.000434				
0.000434	0.000434	0.000434	0.000434	0.000434	0.000434			
0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434		
0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	
0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434
0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434
0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434
0.000459	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434
0.000459	0.000459	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434	0.000434
0.000533	0.000533	0.000533	0.000503	0.000503	0.000503	0.000503	0.000503	0.000503
0.000533	0.000533	0.000533	0.000533	0.000503	0.000503	0.000503	0.000503	0.000503
0.000533	0.000533	0.000533	0.000533	0.000533	0.000503	0.000503	0.000503	0.000503
0.000533	0.000533	0.000533	0.000533	0.000533	0.000533	0.000503	0.000503	0.000503
0.000592	0.000533	0.000533	0.000533	0.000533	0.000533	0.000533	0.000503	0.000503
0.000592	0.000592	0.000533	0.000533	0.000533	0.000533	0.000533	0.000533	0.000503
0.000592	0.000592	0.000592	0.000533	0.000533	0.000533	0.000533	0.000533	0.000533
0.000592	0.000592	0.000592	0.000592	0.000533	0.000533	0.000533	0.000533	0.000533
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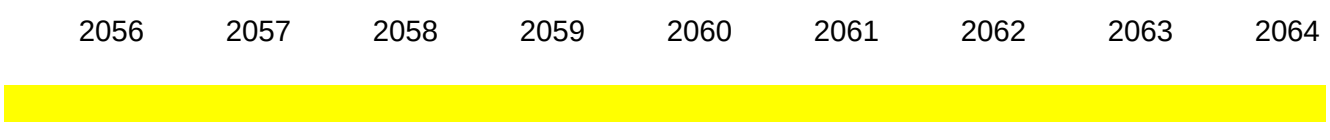
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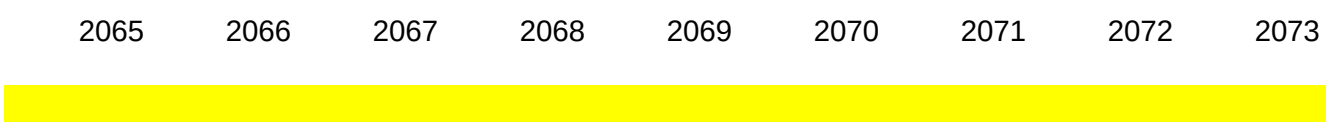
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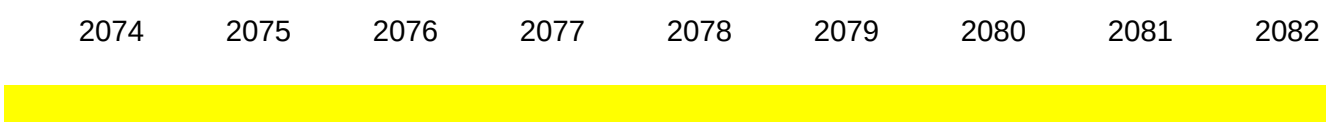
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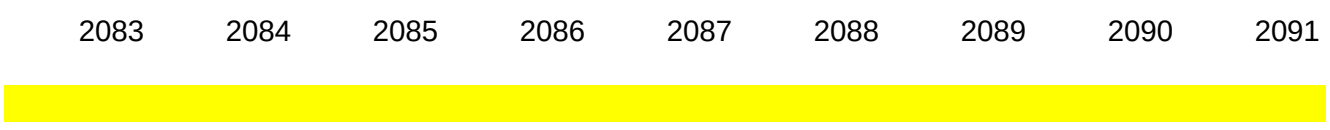
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2083	2084	2085	2086	2087	2088	2089	2090	2091
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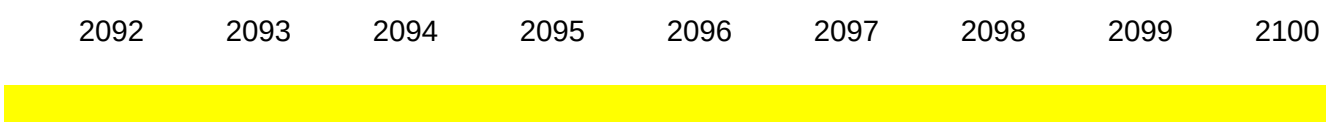
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0.020828	0.019979	0.01913	0.018273	0.017416	0.016559	0.015701	0.014844	0.013987
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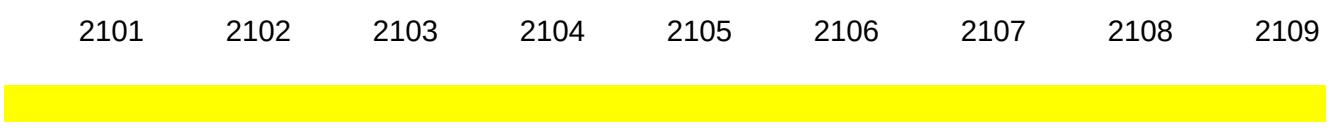
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0.013156	0.012326	0.011495	0.010664	0.009834	0.009003	0.008223	0.007442	0.006661
2101	2102	2103	2104	2105	2106	2107	2108	2109
2101	2102	2103	2104	2105	2106	2107	2108	2109
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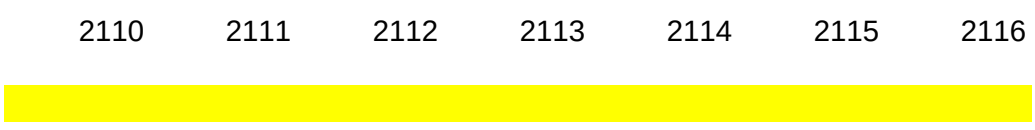
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2110	2111	2112	2113	2114	2115	2116
2110	2111	2112	2113	2114	2115	2116
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