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Report Info

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Processing Timeline

submitted	2022-06-06 12:01:21 (EDT)
prepared	2022-06-06 12:49:19 (EDT)
processed	2022-06-14 17:03:28 (EDT)
completed	2022-06-14 17:07:38 (EDT)

Citation

Please cite the following in any and all applications of the extracted datasets:

Goodman, S., BenYishay, A., Lv, Z., & Runfola, D. (2019). GeoQuery: Integrating HPC systems and public web-based geospatial data tools. Computers & Geosciences, 122, 103-112.

Contents of Request Zip

- request documentation (this pdf document)
- a comma separated value (CSV) file containing your data
- JSON file containing your request parameters
- GeoQuery paper (pdf)

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Meta Information

Boundary

Title	India ADM2 - GeoBoundaries v4
Name	ind_adm2_gb_v4
Version	v4
Description	GeoBoundaries boundary file for ADM2 in India.
Details	(no additional details)
Bounding Box	[[[68.17939, 37.07742], [68.17939, 6.75649], [97.39744, 6.75649], [97.39744, 37.07742], [68.17939, 37.07742]]]
Date Added	2021-09-08
Date Updated	2021-09-08
Source Name	geoBoundaries
Source Link	http://www.geoboundaries.org
Citation	Runfola, Daniel, Austin Anderson, Heather Baier, Matt Crittenden, Elizabeth Dowker, Sydney Fuhrig, Seth Goodman, Grace Grimsley, Rachel Layko, Graham Melville, Maddy Mulder, Rachel Oberman, Joshua Panganiban, Andrew Peck, Leigh Seitz, Sylvia Shea, Hannah Slevin, Rebecca Yougerman, Lauren Hobbs. "geoBoundaries: A global database of political administrative boundaries." Plos one 15, no. 4 (2020): e0231866.

Selection 1 - Precipitation (Yearly Total) - UDel

Title	Precipitation (Yearly Total) - UDel
Name	udel_precip_v501_sum
Version	5.01
Column Names	Format: "udel_precip_v501_sum.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (472 columns total)
Temporal Selection (0)	2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996, 1995, 1994, 1993
Temporal Selection (1)	1992, 1991, 1990, 1989, 1988, 1987, 1986, 1985, 1984, 1983, 1982, 1981, 1980, 1979, 1978, 1977, 1976, 1975, 1974, 1973, 1972, 1971, 1970, 1969, 1968
Temporal Selection (2)	1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1958, 1957, 1956, 1955, 1954, 1953, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1943
Temporal Selection (3)	1942, 1941, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1922, 1921, 1920, 1919, 1918
Temporal Selection (4)	1917, 1916, 1915, 1914, 1913, 1912, 1911, 1910, 1909, 1908, 1907, 1906, 1905, 1904, 1903, 1902, 1901, 1900
Extract Types Selected	max (maximum precipitation per unit of analysis), mean (average precipitation per unit of analysis), min (minimum precipitation per unit of analysis), sum (total precipitation per unit of analysis)
Description	Total precipitation per year in millimeters. Created using UDel Precipitation dataset (v5.01)
Details	
Bounding Box	[[[-180.0, 83.5], [-180.0, -90.0], [180.0, -90.0], [180.0, 83.5], [-180.0, 83.5]]]
Date Added	2019-05-21
Date Updated	2019-06-06
Source Name	University of Delaware
Source Link	http://climate.geog.udel.edu/~climate/html_pages/download.html
Citation	Willmott, C. J. and K. Matsuura (2001) Terrestrial Air Temperature and Precipitation: Monthly and Annual Time Series (1950 - 1999), http://climate.geog.udel.edu/~climate/html_pages/README.ghcn_ts2.html.
Variable Description	millimeters
Resolution	0.5
Factor	1.0

Selection 2 - Precipitation (Yearly Average) - UDel

Title	Precipitation (Yearly Average) - UDel
Name	udel_precip_v501_mean
Version	5.01
Column Names	Format: "udel_precip_v501_mean.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (354 columns total)
Temporal Selection (0)	2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996, 1995, 1994, 1993
Temporal Selection (1)	1992, 1991, 1990, 1989, 1988, 1987, 1986, 1985, 1984, 1983, 1982, 1981, 1980, 1979, 1978, 1977, 1976, 1975, 1974, 1973, 1972, 1971, 1970, 1969, 1968
Temporal Selection (2)	1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1958, 1957, 1956, 1955, 1954, 1953, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1943
Temporal Selection (3)	1942, 1941, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1922, 1921, 1920, 1919, 1918
Temporal Selection (4)	1917, 1916, 1915, 1914, 1913, 1912, 1911, 1910, 1909, 1908, 1907, 1906, 1905, 1904, 1903, 1902, 1901, 1900
Extract Types Selected	max (maximum precipitation per unit of analysis), mean (average precipitation per unit of analysis), min (minimum precipitation per unit of analysis)
Description	Average monthly precipitation per year in millimeters. Created using UDel Precipitation dataset (v5.01)
Details	
Bounding Box	[[[-180.0, 83.5], [-180.0, -90.0], [180.0, -90.0], [180.0, 83.5], [-180.0, 83.5]]]
Date Added	2019-05-21
Date Updated	2019-06-06
Source Name	University of Delaware
Source Link	http://climate.geog.udel.edu/~climate/html_pages/download.html
Citation	Willmott, C. J. and K. Matsuura (2001) Terrestrial Air Temperature and Precipitation: Monthly and Annual Time Series (1950 - 1999), http://climate.geog.udel.edu/~climate/html_pages/README.ghcn_ts2.html.
Variable Description	millimeters
Resolution	0.5
Factor	1.0

Selection 3 - Air Temperature (Yearly Average) - UDel

Title	Air Temperature (Yearly Average) - UDel
Name	udel_air_temp_v501_mean
Version	5.01
Column Names	Format: "udel_air_temp_v501_mean.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (354 columns total)
Temporal Selection (0)	2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996, 1995, 1994, 1993
Temporal Selection (1)	1992, 1991, 1990, 1989, 1988, 1987, 1986, 1985, 1984, 1983, 1982, 1981, 1980, 1979, 1978, 1977, 1976, 1975, 1974, 1973, 1972, 1971, 1970, 1969, 1968
Temporal Selection (2)	1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1958, 1957, 1956, 1955, 1954, 1953, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1943
Temporal Selection (3)	1942, 1941, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1922, 1921, 1920, 1919, 1918
Temporal Selection (4)	1917, 1916, 1915, 1914, 1913, 1912, 1911, 1910, 1909, 1908, 1907, 1906, 1905, 1904, 1903, 1902, 1901, 1900
Extract Types Selected	max (maximum air temperature per unit of analysis), mean (average air temperature per unit of analysis), min (minimum air temperature per unit of analysis)
Description	Average monthly air temperature per year in degrees Celsius. Created using UDel Air Temperature dataset (v5.01)
Details	
Bounding Box	[[[-180.0, 83.5], [-180.0, -90.0], [180.0, -90.0], [180.0, 83.5], [-180.0, 83.5]]]
Date Added	2019-05-21
Date Updated	2019-06-06
Source Name	University of Delaware
Source Link	http://climate.geog.udel.edu/~climate/html_pages/download.html
Citation	Willmott, C. J. and K. Matsuura (2001) Terrestrial Air Temperature and Precipitation: Monthly and Annual Time Series (1950 - 1999), http://climate.geog.udel.edu/~climate/html_pages/README.ghcn_ts2.html.
Variable Description	degrees Celsius
Resolution	0.5
Factor	1.0

Selection 4 - Yearly Mean Temperature - CRU TS (v4.05)

Title	Yearly Mean Temperature - CRU TS (v4.05)
Name	cru_ts_405_tmp_yearly_mean
Version	4.05
Column Names	Format: "cru_ts_405_tmp_yearly_mean.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (360 columns total)
Temporal Selection (0)	2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996
Temporal Selection (1)	1995, 1994, 1993, 1992, 1991, 1990, 1989, 1988, 1987, 1986, 1985, 1984, 1983, 1982, 1981, 1980, 1979, 1978, 1977, 1976, 1975, 1974, 1973, 1972, 1971
Temporal Selection (2)	1970, 1969, 1968, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1958, 1957, 1956, 1955, 1954, 1953, 1952, 1951, 1950, 1949, 1948, 1947, 1946
Temporal Selection (3)	1945, 1944, 1943, 1942, 1941, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1922, 1921
Temporal Selection (4)	1920, 1919, 1918, 1917, 1916, 1915, 1914, 1913, 1912, 1911, 1910, 1909, 1908, 1907, 1906, 1905, 1904, 1903, 1902, 1901
Extract Types Selected	max (maximum temperature value per unit of analysis), mean (average temperature value per unit of analysis), min (minimum temperature value per unit of analysis)
Description	Yearly mean temperature from Climate Research Unit (CRU) in degrees Celsius. Version 4.05
Details	Created by aggregating (mean) monthly mean daily temperature data from CRU TS
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-14
Date Updated	2021-09-14
Source Name	Climate Research Unit
Source Link	https://crudata.uea.ac.uk/cru/data/hrg/
Citation	Harris, I., Osborn, T.J., Jones, P. et al. Version 4 of the CRU TS monthly high-resolution gridded multivariate climate dataset. Sci Data 7, 109 (2020). https://doi.org/10.1038/s41597-020-0453-3
Variable Description	degrees Celsius

Resolution	0.5
Factor	1.0

Selection 5 - Monthly Temperature - CRU TS (v4.05)

Title	Monthly Temperature - CRU TS (v4.05)
Name	cru_ts_405_tmp_monthly_mean
Version	4.05
Column Names	Format: "cru_ts_405_tmp_monthly_mean.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (4320 columns total)
Temporal Selection (0)	202012, 202011, 202010, 202009, 202008, 202007, 202006, 202005, 202004, 202003, 202002, 202001, 201912, 201911, 201910, 201909, 201908, 201907, 201906, 201905, 201904, 201903, 201902, 201901, 201812
Temporal Selection (1)	201811, 201810, 201809, 201808, 201807, 201806, 201805, 201804, 201803, 201802, 201801, 201712, 201711, 201710, 201709, 201708, 201707, 201706, 201705, 201704, 201703, 201702, 201701, 201612, 201611
Temporal Selection (2)	201610, 201609, 201608, 201607, 201606, 201605, 201604, 201603, 201602, 201601, 201512, 201511, 201510, 201509, 201508, 201507, 201506, 201505, 201504, 201503, 201502, 201501, 201412, 201411, 201410
Temporal Selection (3)	201409, 201408, 201407, 201406, 201405, 201404, 201403, 201402, 201401, 201312, 201311, 201310, 201309, 201308, 201307, 201306, 201305, 201304, 201303, 201302, 201301, 201212, 201211, 201210, 201209
Temporal Selection (4)	201208, 201207, 201206, 201205, 201204, 201203, 201202, 201201, 201112, 201111, 201110, 201109, 201108, 201107, 201106, 201105, 201104, 201103, 201102, 201101, 201012, 201011, 201010, 201009, 201008
Temporal Selection (5)	201007, 201006, 201005, 201004, 201003, 201002, 201001, 200912, 200911, 200910, 200909, 200908, 200907, 200906, 200905, 200904, 200903, 200902, 200901, 200812, 200811, 200810, 200809, 200808, 200807
Temporal Selection (6)	200806, 200805, 200804, 200803, 200802, 200801, 200712, 200711, 200710, 200709, 200708, 200707, 200706, 200705, 200704, 200703, 200702, 200701, 200612, 200611, 200610, 200609, 200608, 200607, 200606

Temporal Selection (7)	200605, 200604, 200603, 200602, 200601, 200512, 200511, 200510, 200509, 200508, 200507, 200506, 200505, 200504, 200503, 200502, 200501, 200412, 200411, 200410, 200409, 200408, 200407, 200406, 200405
Temporal Selection (8)	200404, 200403, 200402, 200401, 200312, 200311, 200310, 200309, 200308, 200307, 200306, 200305, 200304, 200303, 200302, 200301, 200212, 200211, 200210, 200209, 200208, 200207, 200206, 200205, 200204
Temporal Selection (9)	200203, 200202, 200201, 200112, 200111, 200110, 200109, 200108, 200107, 200106, 200105, 200104, 200103, 200102, 200101, 200012, 200011, 200010, 200009, 200008, 200007, 200006, 200005, 200004, 200003
Temporal Selection (10)	200002, 200001, 199912, 199911, 199910, 199909, 199908, 199907, 199906, 199905, 199904, 199903, 199902, 199901, 199812, 199811, 199810, 199809, 199808, 199807, 199806, 199805, 199804, 199803, 199802
Temporal Selection (11)	199801, 199712, 199711, 199710, 199709, 199708, 199707, 199706, 199705, 199704, 199703, 199702, 199701, 199612, 199611, 199610, 199609, 199608, 199607, 199606, 199605, 199604, 199603, 199602, 199601
Temporal Selection (12)	199512, 199511, 199510, 199509, 199508, 199507, 199506, 199505, 199504, 199503, 199502, 199501, 199412, 199411, 199410, 199409, 199408, 199407, 199406, 199405, 199404, 199403, 199402, 199401, 199312
Temporal Selection (13)	199311, 199310, 199309, 199308, 199307, 199306, 199305, 199304, 199303, 199302, 199301, 199212, 199211, 199210, 199209, 199208, 199207, 199206, 199205, 199204, 199203, 199202, 199201, 199112, 199111
Temporal Selection (14)	199110, 199109, 199108, 199107, 199106, 199105, 199104, 199103, 199102, 199101, 199012, 199011, 199010, 199009, 199008, 199007, 199006, 199005, 199004, 199003, 199002, 199001, 198912, 198911, 198910
Temporal Selection (15)	198909, 198908, 198907, 198906, 198905, 198904, 198903, 198902, 198901, 198812, 198811, 198810, 198809, 198808, 198807, 198806, 198805, 198804, 198803, 198802, 198801, 198712, 198711, 198710, 198709

Temporal Selection (16)	198708, 198707, 198706, 198705, 198704, 198703, 198702, 198701, 198612, 198611, 198610, 198609, 198608, 198607, 198606, 198605, 198604, 198603, 198602, 198601, 198512, 198511, 198510, 198509, 198508
Temporal Selection (17)	198507, 198506, 198505, 198504, 198503, 198502, 198501, 198412, 198411, 198410, 198409, 198408, 198407, 198406, 198405, 198404, 198403, 198402, 198401, 198312, 198311, 198310, 198309, 198308, 198307
Temporal Selection (18)	198306, 198305, 198304, 198303, 198302, 198301, 198212, 198211, 198210, 198209, 198208, 198207, 198206, 198205, 198204, 198203, 198202, 198201, 198112, 198111, 198110, 198109, 198108, 198107, 198106
Temporal Selection (19)	198105, 198104, 198103, 198102, 198101, 198012, 198011, 198010, 198009, 198008, 198007, 198006, 198005, 198004, 198003, 198002, 198001, 197912, 197911, 197910, 197909, 197908, 197907, 197906, 197905
Temporal Selection (20)	197904, 197903, 197902, 197901, 197812, 197811, 197810, 197809, 197808, 197807, 197806, 197805, 197804, 197803, 197802, 197801, 197712, 197711, 197710, 197709, 197708, 197707, 197706, 197705, 197704
Temporal Selection (21)	197703, 197702, 197701, 197612, 197611, 197610, 197609, 197608, 197607, 197606, 197605, 197604, 197603, 197602, 197601, 197512, 197511, 197510, 197509, 197508, 197507, 197506, 197505, 197504, 197503
Temporal Selection (22)	197502, 197501, 197412, 197411, 197410, 197409, 197408, 197407, 197406, 197405, 197404, 197403, 197402, 197401, 197312, 197311, 197310, 197309, 197308, 197307, 197306, 197305, 197304, 197303, 197302
Temporal Selection (23)	197301, 197212, 197211, 197210, 197209, 197208, 197207, 197206, 197205, 197204, 197203, 197202, 197201, 197112, 197111, 197110, 197109, 197108, 197107, 197106, 197105, 197104, 197103, 197102, 197101
Temporal Selection (24)	197012, 197011, 197010, 197009, 197008, 197007, 197006, 197005, 197004, 197003, 197002, 197001, 196912, 196911, 196910, 196909, 196908, 196907, 196906, 196905, 196904, 196903, 196902, 196901, 196812

Temporal Selection (25)	196811, 196810, 196809, 196808, 196807, 196806, 196805, 196804, 196803, 196802, 196801, 196712, 196711, 196710, 196709, 196708, 196707, 196706, 196705, 196704, 196703, 196702, 196701, 196612, 196611
Temporal Selection (26)	196610, 196609, 196608, 196607, 196606, 196605, 196604, 196603, 196602, 196601, 196512, 196511, 196510, 196509, 196508, 196507, 196506, 196505, 196504, 196503, 196502, 196501, 196412, 196411, 196410
Temporal Selection (27)	196409, 196408, 196407, 196406, 196405, 196404, 196403, 196402, 196401, 196312, 196311, 196310, 196309, 196308, 196307, 196306, 196305, 196304, 196303, 196302, 196301, 196212, 196211, 196210, 196209
Temporal Selection (28)	196208, 196207, 196206, 196205, 196204, 196203, 196202, 196201, 196112, 196111, 196110, 196109, 196108, 196107, 196106, 196105, 196104, 196103, 196102, 196101, 196012, 196011, 196010, 196009, 196008
Temporal Selection (29)	196007, 196006, 196005, 196004, 196003, 196002, 196001, 195912, 195911, 195910, 195909, 195908, 195907, 195906, 195905, 195904, 195903, 195902, 195901, 195812, 195811, 195810, 195809, 195808, 195807
Temporal Selection (30)	195806, 195805, 195804, 195803, 195802, 195801, 195712, 195711, 195710, 195709, 195708, 195707, 195706, 195705, 195704, 195703, 195702, 195701, 195612, 195611, 195610, 195609, 195608, 195607, 195606
Temporal Selection (31)	195605, 195604, 195603, 195602, 195601, 195512, 195511, 195510, 195509, 195508, 195507, 195506, 195505, 195504, 195503, 195502, 195501, 195412, 195411, 195410, 195409, 195408, 195407, 195406, 195405
Temporal Selection (32)	195404, 195403, 195402, 195401, 195312, 195311, 195310, 195309, 195308, 195307, 195306, 195305, 195304, 195303, 195302, 195301, 195212, 195211, 195210, 195209, 195208, 195207, 195206, 195205, 195204
Temporal Selection (33)	195203, 195202, 195201, 195112, 195111, 195110, 195109, 195108, 195107, 195106, 195105, 195104, 195103, 195102, 195101, 195012, 195011, 195010, 195009, 195008, 195007, 195006, 195005, 195004, 195003

Temporal Selection (34)	195002, 195001, 194912, 194911, 194910, 194909, 194908, 194907, 194906, 194905, 194904, 194903, 194902, 194901, 194812, 194811, 194810, 194809, 194808, 194807, 194806, 194805, 194804, 194803, 194802
Temporal Selection (35)	194801, 194712, 194711, 194710, 194709, 194708, 194707, 194706, 194705, 194704, 194703, 194702, 194701, 194612, 194611, 194610, 194609, 194608, 194607, 194606, 194605, 194604, 194603, 194602, 194601
Temporal Selection (36)	194512, 194511, 194510, 194509, 194508, 194507, 194506, 194505, 194504, 194503, 194502, 194501, 194412, 194411, 194410, 194409, 194408, 194407, 194406, 194405, 194404, 194403, 194402, 194401, 194312
Temporal Selection (37)	194311, 194310, 194309, 194308, 194307, 194306, 194305, 194304, 194303, 194302, 194301, 194212, 194211, 194210, 194209, 194208, 194207, 194206, 194205, 194204, 194203, 194202, 194201, 194112, 194111
Temporal Selection (38)	194110, 194109, 194108, 194107, 194106, 194105, 194104, 194103, 194102, 194101, 194012, 194011, 194010, 194009, 194008, 194007, 194006, 194005, 194004, 194003, 194002, 194001, 193912, 193911, 193910
Temporal Selection (39)	193909, 193908, 193907, 193906, 193905, 193904, 193903, 193902, 193901, 193812, 193811, 193810, 193809, 193808, 193807, 193806, 193805, 193804, 193803, 193802, 193801, 193712, 193711, 193710, 193709
Temporal Selection (40)	193708, 193707, 193706, 193705, 193704, 193703, 193702, 193701, 193612, 193611, 193610, 193609, 193608, 193607, 193606, 193605, 193604, 193603, 193602, 193601, 193512, 193511, 193510, 193509, 193508
Temporal Selection (41)	193507, 193506, 193505, 193504, 193503, 193502, 193501, 193412, 193411, 193410, 193409, 193408, 193407, 193406, 193405, 193404, 193403, 193402, 193401, 193312, 193311, 193310, 193309, 193308, 193307
Temporal Selection (42)	193306, 193305, 193304, 193303, 193302, 193301, 193212, 193211, 193210, 193209, 193208, 193207, 193206, 193205, 193204, 193203, 193202, 193201, 193112, 193111, 193110, 193109, 193108, 193107, 193106

Temporal Selection (43)	193105, 193104, 193103, 193102, 193101, 193012, 193011, 193010, 193009, 193008, 193007, 193006, 193005, 193004, 193003, 193002, 193001, 192912, 192911, 192910, 192909, 192908, 192907, 192906, 192905
Temporal Selection (44)	192904, 192903, 192902, 192901, 192812, 192811, 192810, 192809, 192808, 192807, 192806, 192805, 192804, 192803, 192802, 192801, 192712, 192711, 192710, 192709, 192708, 192707, 192706, 192705, 192704
Temporal Selection (45)	192703, 192702, 192701, 192612, 192611, 192610, 192609, 192608, 192607, 192606, 192605, 192604, 192603, 192602, 192601, 192512, 192511, 192510, 192509, 192508, 192507, 192506, 192505, 192504, 192503
Temporal Selection (46)	192502, 192501, 192412, 192411, 192410, 192409, 192408, 192407, 192406, 192405, 192404, 192403, 192402, 192401, 192312, 192311, 192310, 192309, 192308, 192307, 192306, 192305, 192304, 192303, 192302
Temporal Selection (47)	192301, 192212, 192211, 192210, 192209, 192208, 192207, 192206, 192205, 192204, 192203, 192202, 192201, 192112, 192111, 192110, 192109, 192108, 192107, 192106, 192105, 192104, 192103, 192102, 192101
Temporal Selection (48)	192012, 192011, 192010, 192009, 192008, 192007, 192006, 192005, 192004, 192003, 192002, 192001, 191912, 191911, 191910, 191909, 191908, 191907, 191906, 191905, 191904, 191903, 191902, 191901, 191812
Temporal Selection (49)	191811, 191810, 191809, 191808, 191807, 191806, 191805, 191804, 191803, 191802, 191801, 191712, 191711, 191710, 191709, 191708, 191707, 191706, 191705, 191704, 191703, 191702, 191701, 191612, 191611
Temporal Selection (50)	191610, 191609, 191608, 191607, 191606, 191605, 191604, 191603, 191602, 191601, 191512, 191511, 191510, 191509, 191508, 191507, 191506, 191505, 191504, 191503, 191502, 191501, 191412, 191411, 191410
Temporal Selection (51)	191409, 191408, 191407, 191406, 191405, 191404, 191403, 191402, 191401, 191312, 191311, 191310, 191309, 191308, 191307, 191306, 191305, 191304, 191303, 191302, 191301, 191212, 191211, 191210, 191209

Temporal Selection (52)	191208, 191207, 191206, 191205, 191204, 191203, 191202, 191201, 191112, 191111, 191110, 191109, 191108, 191107, 191106, 191105, 191104, 191103, 191102, 191101, 191012, 191011, 191010, 191009, 191008
Temporal Selection (53)	191007, 191006, 191005, 191004, 191003, 191002, 191001, 190912, 190911, 190910, 190909, 190908, 190907, 190906, 190905, 190904, 190903, 190902, 190901, 190812, 190811, 190810, 190809, 190808, 190807
Temporal Selection (54)	190806, 190805, 190804, 190803, 190802, 190801, 190712, 190711, 190710, 190709, 190708, 190707, 190706, 190705, 190704, 190703, 190702, 190701, 190612, 190611, 190610, 190609, 190608, 190607, 190606
Temporal Selection (55)	190605, 190604, 190603, 190602, 190601, 190512, 190511, 190510, 190509, 190508, 190507, 190506, 190505, 190504, 190503, 190502, 190501, 190412, 190411, 190410, 190409, 190408, 190407, 190406, 190405
Temporal Selection (56)	190404, 190403, 190402, 190401, 190312, 190311, 190310, 190309, 190308, 190307, 190306, 190305, 190304, 190303, 190302, 190301, 190212, 190211, 190210, 190209, 190208, 190207, 190206, 190205, 190204
Temporal Selection (57)	190203, 190202, 190201, 190112, 190111, 190110, 190109, 190108, 190107, 190106, 190105, 190104, 190103, 190102, 190101
Extract Types Selected	max (maximum temperature value per unit of analysis), mean (average temperature value per unit of analysis), min (minimum temperature value per unit of analysis)
Description	Montly temperature from Climate Research Unit (CRU) in degrees Celsius. Version 4.05
Details	Created by extracting monthly temperature data from CRU
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-23
Date Updated	2021-09-23
Source Name	Climate Research Unit
Source Link	https://crudata.uea.ac.uk/cru/data/hrg/
Citation	Harris, I., Osborn, T.J., Jones, P. et al. Version 4 of the CRU TS monthly high-resolution gridded multivariate climate dataset. Sci Data 7, 109 (2020). https://doi.org/10.1038/s41597-020-0453-3

Variable Description	degrees Celsius
Resolution	0.5
Factor	1.0

Selection 6 - Yearly Mean Precipication - CRU TS (v4.05)

Title	Yearly Mean Precipication - CRU TS (v4.05)
Name	cru_ts_405_pre_yearly_mean
Version	4.05
Column Names	Format: "cru_ts_405_pre_yearly_mean.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (360 columns total)
Temporal Selection (0)	2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996
Temporal Selection (1)	1995, 1994, 1993, 1992, 1991, 1990, 1989, 1988, 1987, 1986, 1985, 1984, 1983, 1982, 1981, 1980, 1979, 1978, 1977, 1976, 1975, 1974, 1973, 1972, 1971
Temporal Selection (2)	1970, 1969, 1968, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1958, 1957, 1956, 1955, 1954, 1953, 1952, 1951, 1950, 1949, 1948, 1947, 1946
Temporal Selection (3)	1945, 1944, 1943, 1942, 1941, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1922, 1921
Temporal Selection (4)	1920, 1919, 1918, 1917, 1916, 1915, 1914, 1913, 1912, 1911, 1910, 1909, 1908, 1907, 1906, 1905, 1904, 1903, 1902, 1901
Extract Types Selected	max (maximum precipitation value per unit of analysis), mean (average precipitation value per unit of analysis), min (minimum precipitation value per unit of analysis)
Description	Yearly mean precipitation from Climate Research Unit (CRU) in millimeters. Version 4.05
Details	Created by aggregating (mean) monthly precipitation data from CRU TS
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-14
Date Updated	2021-09-14
Source Name	Climate Research Unit
Source Link	https://crudata.uea.ac.uk/cru/data/hrg/
Citation	Harris, I., Osborn, T.J., Jones, P. et al. Version 4 of the CRU TS monthly high-resolution gridded multivariate climate dataset. Sci Data 7, 109 (2020). https://doi.org/10.1038/s41597-020-0453-3
Variable Description	precipitation in millimeters

Resolution	0.5
Factor	1.0

Selection 7 - Monthly Precipication - CRU TS (v4.05)

Title	Monthly Precipication - CRU TS (v4.05)
Name	cru_ts_405_pre_monthly_mean
Version	4.05
Column Names	Format: "cru_ts_405_pre_monthly_mean.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (4320 columns total)
Temporal Selection (0)	202012, 202011, 202010, 202009, 202008, 202007, 202006, 202005, 202004, 202003, 202002, 202001, 201912, 201911, 201910, 201909, 201908, 201907, 201906, 201905, 201904, 201903, 201902, 201901, 201812
Temporal Selection (1)	201811, 201810, 201809, 201808, 201807, 201806, 201805, 201804, 201803, 201802, 201801, 201712, 201711, 201710, 201709, 201708, 201707, 201706, 201705, 201704, 201703, 201702, 201701, 201612, 201611
Temporal Selection (2)	201610, 201609, 201608, 201607, 201606, 201605, 201604, 201603, 201602, 201601, 201512, 201511, 201510, 201509, 201508, 201507, 201506, 201505, 201504, 201503, 201502, 201501, 201412, 201411, 201410
Temporal Selection (3)	201409, 201408, 201407, 201406, 201405, 201404, 201403, 201402, 201401, 201312, 201311, 201310, 201309, 201308, 201307, 201306, 201305, 201304, 201303, 201302, 201301, 201212, 201211, 201210, 201209
Temporal Selection (4)	201208, 201207, 201206, 201205, 201204, 201203, 201202, 201201, 201112, 201111, 201110, 201109, 201108, 201107, 201106, 201105, 201104, 201103, 201102, 201101, 201012, 201011, 201010, 201009, 201008
Temporal Selection (5)	201007, 201006, 201005, 201004, 201003, 201002, 201001, 200912, 200911, 200910, 200909, 200908, 200907, 200906, 200905, 200904, 200903, 200902, 200901, 200812, 200811, 200810, 200809, 200808, 200807
Temporal Selection (6)	200806, 200805, 200804, 200803, 200802, 200801, 200712, 200711, 200710, 200709, 200708, 200707, 200706, 200705, 200704, 200703, 200702, 200701, 200612, 200611, 200610, 200609, 200608, 200607, 200606

Temporal Selection (7)	200605, 200604, 200603, 200602, 200601, 200512, 200511, 200510, 200509, 200508, 200507, 200506, 200505, 200504, 200503, 200502, 200501, 200412, 200411, 200410, 200409, 200408, 200407, 200406, 200405
Temporal Selection (8)	200404, 200403, 200402, 200401, 200312, 200311, 200310, 200309, 200308, 200307, 200306, 200305, 200304, 200303, 200302, 200301, 200212, 200211, 200210, 200209, 200208, 200207, 200206, 200205, 200204
Temporal Selection (9)	200203, 200202, 200201, 200112, 200111, 200110, 200109, 200108, 200107, 200106, 200105, 200104, 200103, 200102, 200101, 200012, 200011, 200010, 200009, 200008, 200007, 200006, 200005, 200004, 200003
Temporal Selection (10)	200002, 200001, 199912, 199911, 199910, 199909, 199908, 199907, 199906, 199905, 199904, 199903, 199902, 199901, 199812, 199811, 199810, 199809, 199808, 199807, 199806, 199805, 199804, 199803, 199802
Temporal Selection (11)	199801, 199712, 199711, 199710, 199709, 199708, 199707, 199706, 199705, 199704, 199703, 199702, 199701, 199612, 199611, 199610, 199609, 199608, 199607, 199606, 199605, 199604, 199603, 199602, 199601
Temporal Selection (12)	199512, 199511, 199510, 199509, 199508, 199507, 199506, 199505, 199504, 199503, 199502, 199501, 199412, 199411, 199410, 199409, 199408, 199407, 199406, 199405, 199404, 199403, 199402, 199401, 199312
Temporal Selection (13)	199311, 199310, 199309, 199308, 199307, 199306, 199305, 199304, 199303, 199302, 199301, 199212, 199211, 199210, 199209, 199208, 199207, 199206, 199205, 199204, 199203, 199202, 199201, 199112, 199111
Temporal Selection (14)	199110, 199109, 199108, 199107, 199106, 199105, 199104, 199103, 199102, 199101, 199012, 199011, 199010, 199009, 199008, 199007, 199006, 199005, 199004, 199003, 199002, 199001, 198912, 198911, 198910
Temporal Selection (15)	198909, 198908, 198907, 198906, 198905, 198904, 198903, 198902, 198901, 198812, 198811, 198810, 198809, 198808, 198807, 198806, 198805, 198804, 198803, 198802, 198801, 198712, 198711, 198710, 198709

Temporal Selection (16)	198708, 198707, 198706, 198705, 198704, 198703, 198702, 198701, 198612, 198611, 198610, 198609, 198608, 198607, 198606, 198605, 198604, 198603, 198602, 198601, 198512, 198511, 198510, 198509, 198508
Temporal Selection (17)	198507, 198506, 198505, 198504, 198503, 198502, 198501, 198412, 198411, 198410, 198409, 198408, 198407, 198406, 198405, 198404, 198403, 198402, 198401, 198312, 198311, 198310, 198309, 198308, 198307
Temporal Selection (18)	198306, 198305, 198304, 198303, 198302, 198301, 198212, 198211, 198210, 198209, 198208, 198207, 198206, 198205, 198204, 198203, 198202, 198201, 198112, 198111, 198110, 198109, 198108, 198107, 198106
Temporal Selection (19)	198105, 198104, 198103, 198102, 198101, 198012, 198011, 198010, 198009, 198008, 198007, 198006, 198005, 198004, 198003, 198002, 198001, 197912, 197911, 197910, 197909, 197908, 197907, 197906, 197905
Temporal Selection (20)	197904, 197903, 197902, 197901, 197812, 197811, 197810, 197809, 197808, 197807, 197806, 197805, 197804, 197803, 197802, 197801, 197712, 197711, 197710, 197709, 197708, 197707, 197706, 197705, 197704
Temporal Selection (21)	197703, 197702, 197701, 197612, 197611, 197610, 197609, 197608, 197607, 197606, 197605, 197604, 197603, 197602, 197601, 197512, 197511, 197510, 197509, 197508, 197507, 197506, 197505, 197504, 197503
Temporal Selection (22)	197502, 197501, 197412, 197411, 197410, 197409, 197408, 197407, 197406, 197405, 197404, 197403, 197402, 197401, 197312, 197311, 197310, 197309, 197308, 197307, 197306, 197305, 197304, 197303, 197302
Temporal Selection (23)	197301, 197212, 197211, 197210, 197209, 197208, 197207, 197206, 197205, 197204, 197203, 197202, 197201, 197112, 197111, 197110, 197109, 197108, 197107, 197106, 197105, 197104, 197103, 197102, 197101
Temporal Selection (24)	197012, 197011, 197010, 197009, 197008, 197007, 197006, 197005, 197004, 197003, 197002, 197001, 196912, 196911, 196910, 196909, 196908, 196907, 196906, 196905, 196904, 196903, 196902, 196901, 196812

Temporal Selection (25)	196811, 196810, 196809, 196808, 196807, 196806, 196805, 196804, 196803, 196802, 196801, 196712, 196711, 196710, 196709, 196708, 196707, 196706, 196705, 196704, 196703, 196702, 196701, 196612, 196611
Temporal Selection (26)	196610, 196609, 196608, 196607, 196606, 196605, 196604, 196603, 196602, 196601, 196512, 196511, 196510, 196509, 196508, 196507, 196506, 196505, 196504, 196503, 196502, 196501, 196412, 196411, 196410
Temporal Selection (27)	196409, 196408, 196407, 196406, 196405, 196404, 196403, 196402, 196401, 196312, 196311, 196310, 196309, 196308, 196307, 196306, 196305, 196304, 196303, 196302, 196301, 196212, 196211, 196210, 196209
Temporal Selection (28)	196208, 196207, 196206, 196205, 196204, 196203, 196202, 196201, 196112, 196111, 196110, 196109, 196108, 196107, 196106, 196105, 196104, 196103, 196102, 196101, 196012, 196011, 196010, 196009, 196008
Temporal Selection (29)	196007, 196006, 196005, 196004, 196003, 196002, 196001, 195912, 195911, 195910, 195909, 195908, 195907, 195906, 195905, 195904, 195903, 195902, 195901, 195812, 195811, 195810, 195809, 195808, 195807
Temporal Selection (30)	195806, 195805, 195804, 195803, 195802, 195801, 195712, 195711, 195710, 195709, 195708, 195707, 195706, 195705, 195704, 195703, 195702, 195701, 195612, 195611, 195610, 195609, 195608, 195607, 195606
Temporal Selection (31)	195605, 195604, 195603, 195602, 195601, 195512, 195511, 195510, 195509, 195508, 195507, 195506, 195505, 195504, 195503, 195502, 195501, 195412, 195411, 195410, 195409, 195408, 195407, 195406, 195405
Temporal Selection (32)	195404, 195403, 195402, 195401, 195312, 195311, 195310, 195309, 195308, 195307, 195306, 195305, 195304, 195303, 195302, 195301, 195212, 195211, 195210, 195209, 195208, 195207, 195206, 195205, 195204
Temporal Selection (33)	195203, 195202, 195201, 195112, 195111, 195110, 195109, 195108, 195107, 195106, 195105, 195104, 195103, 195102, 195101, 195012, 195011, 195010, 195009, 195008, 195007, 195006, 195005, 195004, 195003

Temporal Selection (34)	195002, 195001, 194912, 194911, 194910, 194909, 194908, 194907, 194906, 194905, 194904, 194903, 194902, 194901, 194812, 194811, 194810, 194809, 194808, 194807, 194806, 194805, 194804, 194803, 194802
Temporal Selection (35)	194801, 194712, 194711, 194710, 194709, 194708, 194707, 194706, 194705, 194704, 194703, 194702, 194701, 194612, 194611, 194610, 194609, 194608, 194607, 194606, 194605, 194604, 194603, 194602, 194601
Temporal Selection (36)	194512, 194511, 194510, 194509, 194508, 194507, 194506, 194505, 194504, 194503, 194502, 194501, 194412, 194411, 194410, 194409, 194408, 194407, 194406, 194405, 194404, 194403, 194402, 194401, 194312
Temporal Selection (37)	194311, 194310, 194309, 194308, 194307, 194306, 194305, 194304, 194303, 194302, 194301, 194212, 194211, 194210, 194209, 194208, 194207, 194206, 194205, 194204, 194203, 194202, 194201, 194112, 194111
Temporal Selection (38)	194110, 194109, 194108, 194107, 194106, 194105, 194104, 194103, 194102, 194101, 194012, 194011, 194010, 194009, 194008, 194007, 194006, 194005, 194004, 194003, 194002, 194001, 193912, 193911, 193910
Temporal Selection (39)	193909, 193908, 193907, 193906, 193905, 193904, 193903, 193902, 193901, 193812, 193811, 193810, 193809, 193808, 193807, 193806, 193805, 193804, 193803, 193802, 193801, 193712, 193711, 193710, 193709
Temporal Selection (40)	193708, 193707, 193706, 193705, 193704, 193703, 193702, 193701, 193612, 193611, 193610, 193609, 193608, 193607, 193606, 193605, 193604, 193603, 193602, 193601, 193512, 193511, 193510, 193509, 193508
Temporal Selection (41)	193507, 193506, 193505, 193504, 193503, 193502, 193501, 193412, 193411, 193410, 193409, 193408, 193407, 193406, 193405, 193404, 193403, 193402, 193401, 193312, 193311, 193310, 193309, 193308, 193307
Temporal Selection (42)	193306, 193305, 193304, 193303, 193302, 193301, 193212, 193211, 193210, 193209, 193208, 193207, 193206, 193205, 193204, 193203, 193202, 193201, 193112, 193111, 193110, 193109, 193108, 193107, 193106

Temporal Selection (43)	193105, 193104, 193103, 193102, 193101, 193012, 193011, 193010, 193009, 193008, 193007, 193006, 193005, 193004, 193003, 193002, 193001, 192912, 192911, 192910, 192909, 192908, 192907, 192906, 192905
Temporal Selection (44)	192904, 192903, 192902, 192901, 192812, 192811, 192810, 192809, 192808, 192807, 192806, 192805, 192804, 192803, 192802, 192801, 192712, 192711, 192710, 192709, 192708, 192707, 192706, 192705, 192704
Temporal Selection (45)	192703, 192702, 192701, 192612, 192611, 192610, 192609, 192608, 192607, 192606, 192605, 192604, 192603, 192602, 192601, 192512, 192511, 192510, 192509, 192508, 192507, 192506, 192505, 192504, 192503
Temporal Selection (46)	192502, 192501, 192412, 192411, 192410, 192409, 192408, 192407, 192406, 192405, 192404, 192403, 192402, 192401, 192312, 192311, 192310, 192309, 192308, 192307, 192306, 192305, 192304, 192303, 192302
Temporal Selection (47)	192301, 192212, 192211, 192210, 192209, 192208, 192207, 192206, 192205, 192204, 192203, 192202, 192201, 192112, 192111, 192110, 192109, 192108, 192107, 192106, 192105, 192104, 192103, 192102, 192101
Temporal Selection (48)	192012, 192011, 192010, 192009, 192008, 192007, 192006, 192005, 192004, 192003, 192002, 192001, 191912, 191911, 191910, 191909, 191908, 191907, 191906, 191905, 191904, 191903, 191902, 191901, 191812
Temporal Selection (49)	191811, 191810, 191809, 191808, 191807, 191806, 191805, 191804, 191803, 191802, 191801, 191712, 191711, 191710, 191709, 191708, 191707, 191706, 191705, 191704, 191703, 191702, 191701, 191612, 191611
Temporal Selection (50)	191610, 191609, 191608, 191607, 191606, 191605, 191604, 191603, 191602, 191601, 191512, 191511, 191510, 191509, 191508, 191507, 191506, 191505, 191504, 191503, 191502, 191501, 191412, 191411, 191410
Temporal Selection (51)	191409, 191408, 191407, 191406, 191405, 191404, 191403, 191402, 191401, 191312, 191311, 191310, 191309, 191308, 191307, 191306, 191305, 191304, 191303, 191302, 191301, 191212, 191211, 191210, 191209

Temporal Selection (52)	191208, 191207, 191206, 191205, 191204, 191203, 191202, 191201, 191112, 191111, 191110, 191109, 191108, 191107, 191106, 191105, 191104, 191103, 191102, 191101, 191012, 191011, 191010, 191009, 191008
Temporal Selection (53)	191007, 191006, 191005, 191004, 191003, 191002, 191001, 190912, 190911, 190910, 190909, 190908, 190907, 190906, 190905, 190904, 190903, 190902, 190901, 190812, 190811, 190810, 190809, 190808, 190807
Temporal Selection (54)	190806, 190805, 190804, 190803, 190802, 190801, 190712, 190711, 190710, 190709, 190708, 190707, 190706, 190705, 190704, 190703, 190702, 190701, 190612, 190611, 190610, 190609, 190608, 190607, 190606
Temporal Selection (55)	190605, 190604, 190603, 190602, 190601, 190512, 190511, 190510, 190509, 190508, 190507, 190506, 190505, 190504, 190503, 190502, 190501, 190412, 190411, 190410, 190409, 190408, 190407, 190406, 190405
Temporal Selection (56)	190404, 190403, 190402, 190401, 190312, 190311, 190310, 190309, 190308, 190307, 190306, 190305, 190304, 190303, 190302, 190301, 190212, 190211, 190210, 190209, 190208, 190207, 190206, 190205, 190204
Temporal Selection (57)	190203, 190202, 190201, 190112, 190111, 190110, 190109, 190108, 190107, 190106, 190105, 190104, 190103, 190102, 190101
Extract Types Selected	max (maximum precipitation value per unit of analysis), mean (average precipitation value per unit of analysis), min (minimum precipitation value per unit of analysis)
Description	Montly precipitation from Climate Research Unit (CRU) in millimeters. Version 4.05
Details	Created by extracting monthly precipitation data from CRU
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-23
Date Updated	2021-09-23
Source Name	Climate Research Unit
Source Link	https://crudata.uea.ac.uk/cru/data/hrg/
Citation	Harris, I., Osborn, T.J., Jones, P. et al. Version 4 of the CRU TS monthly high-resolution gridded multivariate climate dataset. Sci Data 7, 109 (2020). https://doi.org/10.1038/s41597-020-0453-3

Variable Description	precipitation in millimeters
Resolution	0.5
Factor	1.0

Selection 8 - Monthly nighttime land surface temperature - MODIS

Title	Monthly nighttime land surface temperature - MODIS
Name	modis_lst_mod11c3_006_night_monthly
Version	MOD11C3.006
Column Names	Format: "modis_lst_mod11c3_006_night_monthly.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (753 columns total)
Temporal Selection (0)	202012, 202011, 202010, 202009, 202008, 202007, 202006, 202005, 202004, 202003, 202002, 202001, 201912, 201911, 201910, 201909, 201908, 201907, 201906, 201905, 201904, 201903, 201902, 201901, 201812
Temporal Selection (1)	201811, 201810, 201809, 201808, 201807, 201806, 201805, 201804, 201803, 201802, 201801, 201712, 201711, 201710, 201709, 201708, 201707, 201706, 201705, 201704, 201703, 201702, 201701, 201612, 201611
Temporal Selection (2)	201610, 201609, 201608, 201607, 201606, 201605, 201604, 201603, 201602, 201601, 201512, 201511, 201510, 201509, 201508, 201507, 201506, 201505, 201504, 201503, 201502, 201501, 201412, 201411, 201410
Temporal Selection (3)	201409, 201408, 201407, 201406, 201405, 201404, 201403, 201402, 201401, 201312, 201311, 201310, 201309, 201308, 201307, 201306, 201305, 201304, 201303, 201302, 201301, 201212, 201211, 201210, 201209
Temporal Selection (4)	201208, 201207, 201206, 201205, 201204, 201203, 201202, 201201, 201112, 201111, 201110, 201109, 201108, 201107, 201106, 201105, 201104, 201103, 201102, 201101, 201012, 201011, 201010, 201009, 201008
Temporal Selection (5)	201007, 201006, 201005, 201004, 201003, 201002, 201001, 200912, 200911, 200910, 200909, 200908, 200907, 200906, 200905, 200904, 200903, 200902, 200901, 200812, 200811, 200810, 200809, 200808, 200807
Temporal Selection (6)	200806, 200805, 200804, 200803, 200802, 200801, 200712, 200711, 200710, 200709, 200708, 200707, 200706, 200705, 200704, 200703, 200702, 200701, 200612, 200611, 200610, 200609, 200608, 200607, 200606
Temporal Selection (7)	200605, 200604, 200603, 200602, 200601, 200512, 200511, 200510, 200509, 200508, 200507, 200506, 200505, 200504, 200503, 200502, 200501, 200412, 200411, 200410, 200409, 200408, 200407, 200406, 200405
Temporal Selection (8)	200404, 200403, 200402, 200401, 200312, 200311, 200310, 200309, 200308, 200307, 200306, 200305, 200304, 200303, 200302, 200301, 200212, 200211, 200210, 200209, 200208, 200207, 200206, 200205, 200204
Temporal Selection (9)	200203, 200202, 200201, 200112, 200111, 200110, 200109, 200108, 200107, 200106, 200105, 200104, 200103, 200102, 200101, 200012, 200011, 200010, 200009, 200008, 200007, 200006, 200005, 200004, 200003
Temporal Selection (10)	200002
Extract Types Selected	max (maximum land surface temperature value per unit of analysis), mean (average land surface temperature value per unit of analysis), min (minimum land surface temperature value per unit of analysis)
Description	Monthly nighttime land surface temperature in Kelvins. Produced using MOD11C3.006 CMG LST product

Details	
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-23
Date Updated	2021-09-23
Source Name	Land Processes Distributed Active Archive Center
Source Link	https://lpdaac.usgs.gov/dataset_discovery/modis/modis_products_table/mod11c3_v00 6
Citation	Wan, Z., Hook, S., Hulley, G. (2015). MOD11C3 MODIS/Terra Land Surface Temperature/Emissivity Monthly L3 Global 0.05Deg CMG V006 [Data set]. NASA EOSDIS LP DAAC. doi: 10.5067/MODIS/MOD11C3.006
Variable Description	temperature in Kelvins
Resolution	0.05
Factor	1.0

Selection 9 - Monthly daytime land surface temperature - MODIS

Title	Monthly daytime land surface temperature - MODIS
Name	modis_lst_mod11c3_006_day_monthly
Version	MOD11C3.006
Column Names	Format: "modis_lst_mod11c3_006_day_monthly.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (753 columns total)
Temporal Selection (0)	202012, 202011, 202010, 202009, 202008, 202007, 202006, 202005, 202004, 202003, 202002, 202001, 201912, 201911, 201910, 201909, 201908, 201907, 201906, 201905, 201904, 201903, 201902, 201901, 201812
Temporal Selection (1)	201811, 201810, 201809, 201808, 201807, 201806, 201805, 201804, 201803, 201802, 201801, 201712, 201711, 201710, 201709, 201708, 201707, 201706, 201705, 201704, 201703, 201702, 201701, 201612, 201611
Temporal Selection (2)	201610, 201609, 201608, 201607, 201606, 201605, 201604, 201603, 201602, 201601, 201512, 201511, 201510, 201509, 201508, 201507, 201506, 201505, 201504, 201503, 201502, 201501, 201412, 201411, 201410
Temporal Selection (3)	201409, 201408, 201407, 201406, 201405, 201404, 201403, 201402, 201401, 201312, 201311, 201310, 201309, 201308, 201307, 201306, 201305, 201304, 201303, 201302, 201301, 201212, 201211, 201210, 201209
Temporal Selection (4)	201208, 201207, 201206, 201205, 201204, 201203, 201202, 201201, 201112, 201111, 201110, 201109, 201108, 201107, 201106, 201105, 201104, 201103, 201102, 201101, 201012, 201011, 201010, 201009, 201008
Temporal Selection (5)	201007, 201006, 201005, 201004, 201003, 201002, 201001, 200912, 200911, 200910, 200909, 200908, 200907, 200906, 200905, 200904, 200903, 200902, 200901, 200812, 200811, 200810, 200809, 200808, 200807
Temporal Selection (6)	200806, 200805, 200804, 200803, 200802, 200801, 200712, 200711, 200710, 200709, 200708, 200707, 200706, 200705, 200704, 200703, 200702, 200701, 200612, 200611, 200610, 200609, 200608, 200607, 200606
Temporal Selection (7)	200605, 200604, 200603, 200602, 200601, 200512, 200511, 200510, 200509, 200508, 200507, 200506, 200505, 200504, 200503, 200502, 200501, 200412, 200411, 200410, 200409, 200408, 200407, 200406, 200405
Temporal Selection (8)	200404, 200403, 200402, 200401, 200312, 200311, 200310, 200309, 200308, 200307, 200306, 200305, 200304, 200303, 200302, 200301, 200212, 200211, 200210, 200209, 200208, 200207, 200206, 200205, 200204
Temporal Selection (9)	200203, 200202, 200201, 200112, 200111, 200110, 200109, 200108, 200107, 200106, 200105, 200104, 200103, 200102, 200101, 200012, 200011, 200010, 200009, 200008, 200007, 200006, 200005, 200004, 200003
Temporal Selection (10)	200002
Extract Types Selected	max (maximum land surface temperature value per unit of analysis), mean (average land surface temperature value per unit of analysis), min (minimum land surface temperature value per unit of analysis)
Description	Monthly daytime land surface temperature in Kelvins. Produced using MOD11C3.006 CMG LST product

Details	
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-23
Date Updated	2021-09-23
Source Name	Land Processes Distributed Active Archive Center
Source Link	https://lpdaac.usgs.gov/dataset_discovery/modis/modis_products_table/mod11c3_v00 6
Citation	Wan, Z., Hook, S., Hulley, G. (2015). MOD11C3 MODIS/Terra Land Surface Temperature/Emissivity Monthly L3 Global 0.05Deg CMG V006 [Data set]. NASA EOSDIS LP DAAC. doi: 10.5067/MODIS/MOD11C3.006
Variable Description	temperature in Kelvins
Resolution	0.05
Factor	1.0

Selection 10 - Annual nighttime land surface temperature - MODIS

Title	Annual nighttime land surface temperature - MODIS
Name	modis_lst_mod11c3_006_night_annual_mean
Version	MOD11C3.006
Column Names	Format: "modis_lst_mod11c3_006_night_annual_mean.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (63 columns total)
Temporal Selection (0)	2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000
Extract Types Selected	max (maximum land surface temperature value per unit of analysis), mean (average land surface temperature value per unit of analysis), min (minimum land surface temperature value per unit of analysis)
Description	Annual nighttime land surface temperature in Kelvins. Created by aggregating (mean) month data from MOD11C3.006 CMG LST product
Details	
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-23
Date Updated	2021-09-23
Source Name	Land Processes Distributed Active Archive Center
Source Link	https://lpdaac.usgs.gov/dataset_discovery/modis/modis_products_table/mod11c3_v00 6
Citation	Wan, Z., Hook, S., Hulley, G. (2015). MOD11C3 MODIS/Terra Land Surface Temperature/Emissivity Monthly L3 Global 0.05Deg CMG V006 [Data set]. NASA EOSDIS LP DAAC. doi: 10.5067/MODIS/MOD11C3.006
Variable Description	temperature in Kelvins
Resolution	0.05
Factor	1.0

Selection 11 - Annual daytime land surface temperature - MODIS

Title	Annual daytime land surface temperature - MODIS
Name	modis_lst_mod11c3_006_day_annual_mean
Version	MOD11C3.006
Column Names	Format: "modis_lst_mod11c3_006_day_annual_mean.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (63 columns total)
Temporal Selection (0)	2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000
Extract Types Selected	max (maximum land surface temperature value per unit of analysis), mean (average land surface temperature value per unit of analysis), min (minimum land surface temperature value per unit of analysis)
Description	Annual daytime land surface temperature in Kelvins. Created by aggregating (mean) month data from MOD11C3.006 CMG LST product
Details	
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-14
Date Updated	2021-09-14
Source Name	Land Processes Distributed Active Archive Center
Source Link	https://lpdaac.usgs.gov/dataset_discovery/modis/modis_products_table/mod11c3_v00 6
Citation	Wan, Z., Hook, S., Hulley, G. (2015). MOD11C3 MODIS/Terra Land Surface Temperature/Emissivity Monthly L3 Global 0.05Deg CMG V006 [Data set]. NASA EOSDIS LP DAAC. doi: 10.5067/MODIS/MOD11C3.006
Variable Description	temperature in Kelvins
Resolution	0.05
Factor	1.0

Selection 12 - Monthly VIIRS Nighttime Lights v1 - Count of Cloud Free Coverage

Title	Monthly VIIRS Nighttime Lights v1 - Count of Cloud Free Coverage
Name	viirs_ntl_monthly_v10_vcmcfg_cf_cvg
Version	1
Column Names	Format: "viirs_ntl_monthly_v10_vcmcfg_cf_cvg.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (210 columns total)
Temporal Selection (0)	202012, 202011, 202010, 202009, 202008, 202007, 202006, 202005, 202004, 202003, 202002, 202001, 201912, 201911, 201910, 201909, 201908, 201907, 201906, 201905, 201904, 201903, 201902, 201901, 201812
Temporal Selection (1)	201811, 201810, 201809, 201808, 201807, 201806, 201805, 201804, 201803, 201802, 201801, 201712, 201711, 201710, 201709, 201708, 201707, 201706, 201705, 201704, 201703, 201702, 201701, 201612, 201611
Temporal Selection (2)	201610, 201609, 201608, 201607, 201606, 201605, 201604, 201603, 201602, 201601, 201512, 201511, 201510, 201509, 201508, 201507, 201506, 201505, 201504, 201503, 201502, 201501, 201412, 201411, 201410
Temporal Selection (3)	201409, 201408, 201407, 201406, 201405, 201404, 201403, 201402, 201401, 201312, 201311, 201310, 201309, 201308, 201307, 201306, 201305, 201304, 201303, 201302, 201301, 201212, 201211, 201210, 201209
Temporal Selection (4)	201208, 201207, 201206, 201205, 201204
Extract Types Selected	sum (count of pixels with at least one cloud free measurement within each unit of analysis), count (total count of pixels per unit of analysis)
Description	Monthly VIIRS nighttime lights product Version 1. Count of pixels within boundary with at least 1 cloud free observation of nighttime lights. Can be used in combination with VIIRS Nighttime Light Average product to determine if sufficient coverage exists with boundary features.
Details	Excludes any data impacted by stray light
Bounding Box	[[[-180, 75.00208333335], [-180, -65.00208445335001], [180, -65.00208445335001], [180, 75.00208333335], [-180, 75.00208333335]]]
Date Added	2021-09-23
Date Updated	2021-09-23
Source Name	Earth Observation Group - VIIRS Nighttime Lights
Source Link	https://eogdata.mines.edu/products/vnl/

Citation	C. D. Elvidge, K. E. Baugh, M. Zhizhin, and F.-C. Hsu, “Why VIIRS data are superior to DMSP for mapping nighttime lights,” Asia-Pacific Advanced Network 35, vol. 35, p. 62, 2013.
Variable Description	Cloud free measurements
Resolution	0.0041666667
Factor	1.0

Selection 13 - Annual VIIRS Nighttime Lights v2 - Count of Cloud Free Coverage

Title	Annual VIIRS Nighttime Lights v2 - Count of Cloud Free Coverage
Name	viirs_ntl_annual_v20_cf_cvg
Version	2
Column Names	Format: "viirs_ntl_annual_v20_cf_cvg.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (18 columns total)
Temporal Selection (0)	2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012
Extract Types Selected	sum (count of pixels with at least one cloud free measurement within each unit of analysis), count (total count of pixels per unit of analysis)
Description	Annual VIIRS nighttime lights product Version 2. Count of pixels within boundary with at least 1 cloud free observation of nighttime lights. Can be used in combination with VIIRS Nighttime Light Average product to determine if sufficient coverage exists with boundary features.
Details	
Bounding Box	[[[-180, 75.00208333335], [-180, -65.00208445335001], [180, -65.00208445335001], [180, 75.00208333335], [-180, 75.00208333335]]]
Date Added	2021-09-14
Date Updated	2021-09-14
Source Name	Earth Observation Group - VIIRS Nighttime Lights
Source Link	https://eogdata.mines.edu/products/vnl/
Citation	C. D. Elvidge, M. Zhizhin, T. Ghosh, F-C. Hsu, Annual time series of global VIIRS nighttime lights derived from monthly averages: 2012 to 2019, Remote Sensing
Variable Description	Cloud free measurements
Resolution	0.0041666667
Factor	1.0

Selection 14 - OCO-2 (v10r) - CO2 Concentration (monthly)

Title	OCO-2 (v10r) - CO2 Concentration (monthly)
Name	oco2_v10r_xco2_monthly
Version	10r
Column Names	Format: "oco2_v10r_xco2_monthly.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (213 columns total)
Temporal Selection (0)	202012, 202011, 202010, 202009, 202008, 202007, 202006, 202005, 202004, 202003, 202002, 202001, 201912, 201911, 201910, 201909, 201908, 201907, 201906, 201905, 201904, 201903, 201902, 201901, 201812
Temporal Selection (1)	201811, 201810, 201809, 201808, 201807, 201806, 201805, 201804, 201803, 201802, 201801, 201712, 201711, 201710, 201709, 201707, 201706, 201705, 201704, 201703, 201702, 201701, 201612, 201611, 201610
Temporal Selection (2)	201609, 201608, 201607, 201606, 201605, 201604, 201603, 201602, 201601, 201512, 201511, 201510, 201509, 201508, 201507, 201506, 201505, 201504, 201503, 201502, 201501
Extract Types Selected	mean (average co2 concentration (ppm) per unit of analysis), max (maximum co2 concentration (ppm) per unit of analysis), min (minimum co2 concentration (ppm) per unit of analysis)
Description	The average concentration of carbon dioxide in a column of dry air extending from Earth's surface to the top of the atmosphere. The raster used is the result of aggregating one month of data to a 10km grid and then using a linear interpolation to fill gaps. The underlying data were produced by NASA's OCO-2 project, and obtained from the OCO-2 data archive maintained at the NASA Goddard Earth Science Data and Information Services Center.
Details	
Bounding Box	[[[-180.0, 90.0], [-180.0, -90], [180, -90], [180, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-22
Date Updated	2021-09-23
Source Name	NASA Goddard Earth Science Data and Information Services Center
Source Link	https://disc.gsfc.nasa.gov/datasets/OCO2_L2_Lite_FP_10r/summary
Citation	OCO-2 Science Team/Michael Gunson, Annmarie Eldering (2020), OCO-2 Level 2 bias-corrected XCO2 and other select fields from the full-physics retrieval aggregated as daily files, Retrospective processing V10r, Greenbelt, MD, USA, Goddard Earth Sciences Data and Information Services Center (GES DISC), Accessed: [2021-07-20], 10.5067/E4E140XDMPO2
Variable Description	co2 concentration in parts per million (ppm)
Resolution	0.1

Factor	1.0

Selection 15 - OCO-2 (v10r) - CO2 Concentration (yearly)

Title	OCO-2 (v10r) - CO2 Concentration (yearly)
Name	oco2_v10r_xco2_yearly
Version	10r
Column Names	Format: "oco2_v10r_xco2_yearly.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (18 columns total)
Temporal Selection (0)	2020, 2019, 2018, 2017, 2016, 2015
Extract Types Selected	mean (average co2 concentration (ppm) per unit of analysis), max (maximum co2 concentration (ppm) per unit of analysis), min (minimum co2 concentration (ppm) per unit of analysis)
Description	The average concentration of carbon dioxide in a column of dry air extending from Earth's surface to the top of the atmosphere. The raster used is the result of aggregating one year of data to a 10km grid and then using a linear interpolation to fill gaps. The underlying data were produced by NASA's OCO-2 project, and obtained from the OCO-2 data archive maintained at the NASA Goddard Earth Science Data and Information Services Center.
Details	
Bounding Box	[[[-180.0, 90.0], [-180.0, -90], [180, -90], [180, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-14
Date Updated	2021-09-22
Source Name	NASA Goddard Earth Science Data and Information Services Center
Source Link	https://disc.gsfc.nasa.gov/datasets/OCO2_L2_Lite_FP_10r/summary
Citation	OCO-2 Science Team/Michael Gunson, Annmarie Eldering (2020), OCO-2 Level 2 bias-corrected XCO2 and other select fields from the full-physics retrieval aggregated as daily files, Retrospective processing V10r, Greenbelt, MD, USA, Goddard Earth Sciences Data and Information Services Center (GES DISC), Accessed: [2021-07-20], 10.5067/E4E140XDMPO2
Variable Description	co2 concentration in parts per million (ppm)
Resolution	0.1
Factor	1.0

Selection 16 - Particulate Matter (PM2.5) Concentration

Title	Particulate Matter (PM2.5) Concentration
Name	ambient_air_pollution_2013_fus_calibrated
Version	2013
Column Names	Format: "ambient_air_pollution_2013_fus_calibrated.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (8 columns total)
Temporal Selection (0)	2013, 2012, 2011, 2010, 2005, 2000, 1995, 1990
Extract Types Selected	mean (average PM2.5 concentration for each unit of analysis)
Description	Particulate matter (PM2.5) estimate, based on prediction model using combination of satellite-based estimate and TM5-FASST simulation.
Details	(no additional details)
Bounding Box	[[[-180.0, 70.0], [-180.0, -55.900000000000006], [180.0, -55.900000000000006], [180.0, 70.0], [-180.0, 70.0]]]
Date Added	2017-05-08
Date Updated	2017-05-08
Source Name	Ambient air pollution exposure estimation for the Global Burden of Disease 2013
Source Link	http://www.healthdata.org/research-article/ambient-air-pollution-exposure-estimation-global-burden-disease-2013
Citation	Brauer M, Freedman G, Frostad J, van Donkelaar A, Martin RV, Dentener F, Van Dingenen R, Estep K, Amini H, Apte JS, Balakrishnan K, Barregard L, Broday DM, Feigin V, Ghosh S, Hopke PK, Knibbs LD, Kokubo Y, Liu Y, Ma S, Morawska L, Sangrador JLT, Shaddick G, Anderson HR, Vos T, Forouzanfar MH, Burnett RT, Cohen A. Ambient air pollution exposure estimation for the Global Burden of Disease 2013. Environmental Science & Technology. 2015 Nov 23. doi: 10.1021/acs.est.5b03709.
Variable Description	PM2.5 concentration (ug/m3)
Resolution	0.1
Factor	1.0

Selection 17 - Monthly Maximum Normalized Difference Vegetation Index - NDVI (LTDR v5 - AVHRR)

Title	Monthly Maximum Normalized Difference Vegetation Index - NDVI (LTDR v5 - AVHRR)
Name	ltdr_avhrr_ndvi_v5_monthly
Version	5
Column Names	Format: "ltdr_avhrr_ndvi_v5_monthly.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (1896 columns total)
Temporal Selection (0)	202012, 202011, 202010, 202009, 202008, 202007, 202006, 202005, 202004, 202003, 202002, 202001, 201912, 201911, 201910, 201909, 201908, 201907, 201906, 201905, 201904, 201903, 201902, 201901, 201812
Temporal Selection (1)	201811, 201810, 201809, 201808, 201807, 201806, 201805, 201804, 201803, 201802, 201801, 201712, 201711, 201710, 201709, 201708, 201707, 201706, 201705, 201704, 201703, 201702, 201701, 201612, 201611
Temporal Selection (2)	201610, 201609, 201608, 201607, 201606, 201605, 201604, 201603, 201602, 201601, 201512, 201511, 201510, 201509, 201508, 201507, 201506, 201505, 201504, 201503, 201502, 201501, 201412, 201411, 201410
Temporal Selection (3)	201409, 201408, 201407, 201406, 201405, 201404, 201403, 201402, 201401, 201312, 201311, 201310, 201309, 201308, 201307, 201306, 201305, 201304, 201303, 201302, 201301, 201212, 201211, 201210, 201209
Temporal Selection (4)	201208, 201207, 201206, 201205, 201204, 201203, 201202, 201201, 201112, 201111, 201110, 201109, 201108, 201107, 201106, 201105, 201104, 201103, 201102, 201101, 201012, 201011, 201010, 201009, 201008
Temporal Selection (5)	201007, 201006, 201005, 201004, 201003, 201002, 201001, 200912, 200911, 200910, 200909, 200908, 200907, 200906, 200905, 200904, 200903, 200902, 200901, 200812, 200811, 200810, 200809, 200808, 200807
Temporal Selection (6)	200806, 200805, 200804, 200803, 200802, 200801, 200712, 200711, 200710, 200709, 200708, 200707, 200706, 200705, 200704, 200703, 200702, 200701, 200612, 200611, 200610, 200609, 200608, 200607, 200606
Temporal Selection (7)	200605, 200604, 200603, 200602, 200601, 200512, 200511, 200510, 200509, 200508, 200507, 200506, 200505, 200504, 200503, 200502, 200501, 200412, 200411, 200410, 200409, 200408, 200407, 200406, 200405
Temporal Selection (8)	200404, 200403, 200402, 200401, 200312, 200311, 200310, 200309, 200308, 200307, 200306, 200305, 200304, 200303, 200302, 200301, 200212, 200211, 200210, 200209, 200208, 200207, 200206, 200205, 200204
Temporal Selection (9)	200203, 200202, 200201, 200112, 200111, 200110, 200109, 200108, 200107, 200106, 200105, 200104, 200103, 200102, 200101, 200012, 200011, 200010, 200009, 200008, 200007, 200006, 200005, 200004, 200003
Temporal Selection (10)	200002, 200001, 199912, 199911, 199910, 199909, 199908, 199907, 199906, 199905, 199904, 199903, 199902, 199901, 199812, 199811, 199810, 199809, 199808, 199807, 199806, 199805, 199804, 199803, 199802
Temporal Selection (11)	199801, 199712, 199711, 199710, 199709, 199708, 199707, 199706, 199705, 199704, 199703, 199702, 199701, 199612, 199611, 199610, 199609, 199608, 199607, 199606, 199605, 199604, 199603, 199602, 199601

Temporal Selection (12)	199512, 199511, 199510, 199509, 199508, 199507, 199506, 199505, 199504, 199503, 199502, 199501, 199412, 199411, 199410, 199409, 199408, 199407, 199406, 199405, 199404, 199403, 199402, 199401, 199312
Temporal Selection (13)	199311, 199310, 199309, 199308, 199307, 199306, 199305, 199304, 199303, 199302, 199301, 199212, 199211, 199210, 199209, 199208, 199207, 199206, 199205, 199204, 199203, 199202, 199201, 199112, 199111
Temporal Selection (14)	199110, 199109, 199108, 199107, 199106, 199105, 199104, 199103, 199102, 199101, 199012, 199011, 199010, 199009, 199008, 199007, 199006, 199005, 199004, 199003, 199002, 199001, 198912, 198911, 198910
Temporal Selection (15)	198909, 198908, 198907, 198906, 198905, 198904, 198903, 198902, 198901, 198812, 198811, 198810, 198809, 198808, 198807, 198806, 198805, 198804, 198803, 198802, 198801, 198712, 198711, 198710, 198709
Temporal Selection (16)	198708, 198707, 198706, 198705, 198704, 198703, 198702, 198701, 198612, 198611, 198610, 198609, 198608, 198607, 198606, 198605, 198604, 198603, 198602, 198601, 198512, 198511, 198510, 198509, 198508
Temporal Selection (17)	198507, 198506, 198505, 198504, 198503, 198502, 198501, 198412, 198411, 198410, 198409, 198408, 198407, 198406, 198405, 198404, 198403, 198402, 198401, 198312, 198311, 198310, 198309, 198308, 198307
Temporal Selection (18)	198306, 198305, 198304, 198303, 198302, 198301, 198212, 198211, 198210, 198209, 198208, 198207, 198206, 198205, 198204, 198203, 198202, 198201, 198112, 198111, 198110, 198109, 198108, 198107
Extract Types Selected	max (maximum NDVI value per unit of analysis), mean (average NDVI value per unit of analysis), min (minimum NDVI value per unit of analysis), count (total count of pixels per unit of analysis)
Description	Monthly value for Normalized Difference Vegetation Index (NDVI). Created using the NASA Long Term Data Record (v5) AVHRR data. Created by aggregating daily data to monthly by taking the maximum value.
Details	All negative NDVI values were truncated to 0 and saturated pixels were adjusted to the max of the normal NDVI range (10000).
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2021-09-23
Date Updated	2021-09-23
Source Name	NASA LAADS DAAC
Source Link	https://ladsweb.modaps.eosdis.nasa.gov/missions-and-measurements/applications/ltdr/
Citation	Pedelty JA, Devadiga S, Masuoka E et al. (2007) Generating a Long-term Land Data Record from the AVHRR and MODIS Instruments. Proceedings of IGARRS 2007, pp. 1021–1025. Institute of Electrical and Electronics Engineers, NY, USA.
Variable Description	positive NDVI values 0:10000
Resolution	0.05
Factor	10000.0

Selection 18 - Yearly Normalized Difference Vegetation Index - NDVI (LTDR v5 - AVHRR)

Title	Yearly Normalized Difference Vegetation Index - NDVI (LTDR v5 - AVHRR)
Name	ltdr_avhrr_ndvi_v5_yearly
Version	5
Column Names	Format: "ltdr_avhrr_ndvi_v5_yearly.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (160 columns total)
Temporal Selection (0)	2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996
Temporal Selection (1)	1995, 1994, 1993, 1992, 1991, 1990, 1989, 1988, 1987, 1986, 1985, 1984, 1983, 1982, 1981
Extract Types Selected	max (maximum NDVI value per unit of analysis), mean (average NDVI value per unit of analysis), min (minimum NDVI value per unit of analysis), count (total count of pixels per unit of analysis)
Description	Yearly value for Normalized Difference Vegetation Index (NDVI). Created using the NASA Long Term Data Record (v5) AVHRR data.
Details	Created by aggregating daily data to monthly by taking the maximum value, then averaging the monthly data to get yearly values. All negative NDVI values were truncated to 0 and saturated pixels were adjusted to the max of the normal NDVI range (10000).
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2019-05-21
Date Updated	2021-09-23
Source Name	NASA LAADS DAAC
Source Link	https://ladsweb.modaps.eosdis.nasa.gov/missions-and-measurements/applications/ltdr/
Citation	Pedelty JA, Devadiga S, Masuoka E et al. (2007) Generating a Long-term Land Data Record from the AVHRR and MODIS Instruments. Proceedings of IGARRS 2007, pp. 1021–1025. Institute of Electrical and Electronics Engineers, NY, USA.
Variable Description	positive NDVI values 0:10000
Resolution	0.05
Factor	10000.0

Selection 19 - Physical Elevation

Title	Physical Elevation
Name	srtm_elevation_500m
Version	1
Column Names	Format: "srtm_elevation_500m.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (3 columns total)
Temporal Selection (0)	none
Extract Types Selected	mean (average elevation within each unit of analysis), max (maximum elevation within each unit of analysis), min (minimum elevation within each unit of analysis)
Description	Global elevation (in meters) from Shuttle Radar Topography Mission (SRTM) dataset (v4.1) at 500m resolution.
Details	(no additional details)
Bounding Box	[[[-180.0, 60.008333313696056], [-180.0, -60.00833333376795], [180.0, -60.00833333376795], [180.0, 60.008333313696056], [-180.0, 60.008333313696056]]]
Date Added	2016-10-28
Date Updated	2017-02-06
Source Name	CGIAR-CSI
Source Link	http://www.cgiar-csi.org/data/srtm-90m-digital-elevation-database-v4-1
Citation	Jarvis A., H.I. Reuter, A. Nelson, E. Guevara, 2008, Hole-filled seamless SRTM data V4, International Centre for Tropical Agriculture (CIAT), available from http://srtm.csi.cgiar.org.
Variable Description	meters
Resolution	0.004166
Factor	1.0

Selection 20 - Ground Slope

Title	Ground Slope
Name	srtm_slope_500m
Version	1
Column Names	Format: "srtm_slope_500m.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (3 columns total)
Temporal Selection (0)	none
Extract Types Selected	mean (average slope within each unit of analysis), max (maximum slope within each unit of analysis), min (minimum slope within each unit of analysis)
Description	Global slope (in degrees) derived from Shuttle Radar Topography Mission (SRTM) dataset (v4.1) at 500m resolution.
Details	(no additional details)
Bounding Box	[[[-180.0, 60.008333313696056], [-180.0, -60.00833333376795], [180.0, -60.00833333376795], [180.0, 60.008333313696056], [-180.0, 60.008333313696056]]]
Date Added	2016-10-28
Date Updated	2017-02-06
Source Name	CGIAR-CSI
Source Link	http://www.cgiar-csi.org/data/srtm-90m-digital-elevation-database-v4-1
Citation	Jarvis A., H.I. Reuter, A. Nelson, E. Guevara, 2008, Hole-filled seamless SRTM data V4, International Centre for Tropical Agriculture (CIAT), available from http://srtm.csi.cgiar.org.
Variable Description	degrees
Resolution	0.004166
Factor	1.0

Interpreting CSV Column Names

Each CSV will contain a column labeled "asdf_id" which has values for each feature that are unique (within that boundary dataset), one or more columns for your extract data, followed by the original source attributes for the boundary file (e.g., from GADM)

The standard format for extract data column names is a three part string delimited by periods (.)

<dataset>.<filter>.<method>

where

<dataset> is the name of the dataset which was extracted

<filter> describes how the dataset was filtered. This is usually a temporal value (e.g., YYYY format for year such as "1999", "none" for temporally invariant data, or a unique hash describing more complex filters, such as for aid datasets)

<method> is the extract method used to aggregate dataset values to boundary features (e.g., "mean", "sum")

Notes - Aid data extracts

The <filter> component of aid data extracts is a unique hash that corresponds to the filter combination used to generate that particular aid data extract (e.g., donor, sector, year, status). For each aid data extract you request, you will see three columns in the CSV that have the same <dataset> and <filter> sections of the column name with the <methods> of the three being different.

These three <method> values are:

- "sum" is the total aid for each feature within the boundary based on the distribution of aid used when building the aid data

- "potential" is the maximum aid that could have been allocated to each feature regardless of the distribution of aid used

- "reliability" is a ratio of sum:potential representing a simplistic measure of how accurate the distribution and aggregation of aid was relative to the boundary features used during the extract process

Notes - Categorical extracts

Data extracted using the categorical method will have multiple columns with the same <dataset> and <filter> where the .<method> for each is "categorical_.<category>.

For a simple landcover dataset this might look like:

- landcover.2000.categorical_water

- landcover.2000.categorical_forest

- landcover.2000.categorical_desert

Usage Notes

- If you attempt to merge GeoQuery results wth vector data (e.g., shapefiles) downloaded from GADM, the GADM data may not always contain a unique id field to merge on. In these cases, please feel free to contact us and we can provide you with a modified file that contains a unique field for merging ("asdf_id" field, found in all result csvs).

Notes About Aid Datasets

- When requesting aid data using a very specific filter (usually resulting in only a single project match), the location count shown in GeoQuery may be inaccurate. This can result in aid filters which appear valid while building your request, but result in no aid data in your results csv. This is due to a slight reduction in the accuracy of location counts for the web page in order to make the responses fast enough for user interaction.

- The year filter for aid data is based on project start and end dates (determined by earliest and latest transactions). Because projects are represented by year ranges, multiple aid data selections for individual years may contain duplicate aid. This will result in an inflated total if you sum the aid from each individual year (compared to a single selection for all years). Limited source information on individual or even yearly transactions for a project prevent us from offering more granular temporal aid values for projects.

- All aid data selections result in commitment values, regardless of whether you filter by commitment values or disbursement values (or both). This is due to the notably better project coverage of commitments vs disbursements (e.g., World Bank aid dataset has 99% commitment coverage vs ~75% for disbursements).

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