## Dataset details

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| **Image Index (Landsat 8)** | **Regional extent** | **Acquisition time** |
| 01. LC08\_L1TP\_134036\_20191017\_20191029\_01\_T1 | (97.65° E, 34.66° N)  ~ (98.19° E, 35.08° N) | 2019.10.17 |
| 02. LC08\_L1TP\_179026\_20190825\_20190903\_01\_T1 | (32.44° E, 48.89° N)  ~ (33.22° E, 49.39° N) | 2019.08.25 |
| 03. LC08\_L1TP\_032028\_20190819\_20190902\_01\_T1 | (100.80° W, 45.96° N,)  ~ (100.25° W, 46.33° N) | 2019.8.19 |
| 04. LC08\_L1TP\_232063\_20170806\_20170813\_01\_T1 | (62.32° W, 4.44° S),  ~ (61.87° W, 4.04° S) | 2017.8.6 |
| 05. LC08\_L1TP\_197049\_20150508\_20170409\_01\_T1 | (4.32° W, 15.14° N),  ~ (3.85° W, 15.52° N) | 2015.5.8 |
| 06. LC08\_L1TP\_173075\_20171012\_20171024\_01\_T1 | (24.76° E, 21.40° S),  ~ (25.17° E, 21.05° S) | 2017.10.12 |
| 07. LC08\_L1TP\_073086\_20181018\_20181031\_01\_T1 | (174.61° E, 37.08° S),  ~ (175.09° E, 36.73° S) | 2018.10.18 |
| 08. LC08\_L1TP\_153012\_20190718\_20190731\_01\_T1 | (85.95° E, 68.24° N), ~ (86.81° E, 68.53° N) | 2019.07.18 |
| 09. LC08\_L1TP\_056014\_20150528\_20170226\_01\_T1 | (127.21° W, 64.93° N), ~ (126.28° W, 65.27° N) | 2015.5.28 |
| 10. LC08\_L1TP\_110024\_20161016\_20170319\_01\_T1 | (139.87° E, 51.76° N), ~ (140.42° E, 52.07° N) | 2016.10.16 |
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| **Image Index (Landsat 7)** | **Regional extent** | **Acquisition time** |
| 01. LE07\_L1TP\_137020\_19990719\_20170218\_01\_T1 | (101.70° E, 56.80° N)  ~ (102.35° E, 57.13° N) | 1999.7.19 |
| 02. LE07\_L1TP\_186014\_20020515\_20170130\_01\_T1 | (31.82° E, 65.87° N)  ~ (32.63° E, 66.18° N) | 2002.5.15 |
| 03. LE07\_L1TP\_171062\_20001007\_20170209\_01\_T1 | (32.53° E, 2.73° S)  ~ (32.95° E, 2.33° S) | 2000.10.7 |
| 04. LE07\_L1TP\_232094\_20010514\_20170205\_01\_T1 | (75.14°W, 48.95° S)  ~ (74.54°W, 48.59° S) | 2001.5.14 |
| 05. LE07\_L1TP\_126052\_20020308\_20170131\_01\_T1 | (104.93° E, 11.04° N)  ~ (105.37° E, 11.42° N) | 2002.3.8 |
| 06. LE07\_L1TP\_014033\_20010523\_20160929\_01\_T1 | (76.22° W, 39.32° N)  ~ (75.78° W, 39.63° N) | 2001.5.23 |
| 07. LE07\_L1TP\_045004\_20100813\_20161213\_01\_T1 | (85.71° W, 77.77° N)  ~ (83.93° W, 78.14° N) | 2010.8.13 |
| 08. LE07\_L1TP\_166039\_20010516\_20170205\_01\_T1 | (47.36° E, 30.59° N)  ~ (47.77° E, 30.90° N) | 2001.5.16 |
| 09. LE07\_L1TP\_109012\_20010704\_20170204\_01\_T1 | (154.27° E, 67.82° N)  ~ (155.16° E, 68.13° N) | 2001.7.4 |
| 10. LE07\_L1TP\_223074\_20000715\_20170210\_01\_T1 | (51.67° W, 20.77° S)  ~ (51.30° W, 20.45° S) | 2000.7.15 |
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| **Image Index (Landsat 5)** | **Regional extent** | **Acquisition time** |
| 01. LT05\_L1TP\_111080\_19950507\_20170108\_01\_T1 | (119.37° E, 29.26° S)  ~ (119.77° E, 28.93° S) | 1995.5.7 |
| 02. LT05\_L1TP\_162018\_19880727\_20170208\_01\_T1 | (66.04° E, 59.72° N)  ~ (66.72° E, 60.04° N) | 1988.7.27 |
| 03. LT05\_L1TP\_160028\_20010818\_20171214\_01\_T1 | (61.5° E, 45.87° N)  ~ (62.05° E, 46.22° N) | 2001.8.18 |
| 04. LT05\_L1TP\_125015\_20070814\_20161111\_01\_T1 | (125.07° E, 63.80° N)  ~ (125.81° E, 64.10° N) | 2007.8.14 |
| 05. LT05\_L1TP\_122044\_20110921\_20161007\_01\_T1 | (113.74° E, 22.44° N)  ~ (114.09° E, 22.72° N) | 2011.921 |
| 06. LT05\_L1TP\_034015\_20060712\_20161120\_01\_T1 | (95.43° W, 63.69° N)  ~ (94.73° W, 63.97° N) | 2006.7.12 |
| 07. LT05\_L1TP\_036041\_19870924\_20170211\_01\_T1 | (113.33° W, 26.73° N)  ~ (112.91° W, 27.07° N) | 1987.9.24 |
| 08. LT05\_L1TP\_197036\_19950517\_20170108\_01\_T1 | (0.46° E, 33.98° N)  ~ (0.98° E, 34.36° N) | 1995.5.17 |
| 09. LT05\_L1TP\_233006\_19850821\_20170218\_01\_T1 | (22.2° W, 75.22° N)  ~ (20.92° W, 75.53° N) | 1985.8.21 |
| 10. LT05\_L1TP\_115034\_19851014\_20170218\_01\_T1 | (127.65° E, 37.80° N)  ~ (128.2° E, 38.18° N) | 1985.10.14 |
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## Dataset overview

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| **Landsat image** | **Ground truth image** |
| 01. LC08\_L1TP\_134036\_20191017\_20191029\_01\_T1 |  |
| 图片包含 绿色, 大, 树, 森林  描述已自动生成  02 |  |
| 地图  描述已自动生成  03 |  |
| 图片包含 藻类, 绿色, 草, 大  描述已自动生成  04 |  |
| 图片包含 桌子, 食物, 披萨, 覆盖  描述已自动生成  05 |  |
| **图片包含 岩石, 山, 男人, 覆盖  描述已自动生成**  06 |  |
| 图片包含 植物, 绿色, 蛋糕, 草  描述已自动生成  07 |  |
| 08 |  |
| 09 |  |
| 图片包含 桌子, 水, 覆盖, 食物  描述已自动生成  10 |  |
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