



land surface
temperature
cci



CCI Land Surface Temperature

Climate Research Data Package

Date: 31-Mar-2022

Organisation: Consortium CCI LST





Overview of LST CCI Products

Product String	Version	Instruments	LST_cci ID	Satellites	Spatial Resolution	Temporal Resolution	Data Availability	Data Accessibility	Dataset description
ERS-2_ATSR_L3C	3.00	ATSR-2	ATSR_2	ERS-2	0.01° global lon-lat grid	Daily + Monthly – Day + Night	1995 – 2003	CEDA Archive (ready) / CCI ODP (in progress)	Land surface temperature from ATSR-2 (Along-Track Scanning Radiometer 2), level 3 collated (L3C) global product (1995-2003), version 3.00
ENVISAT_ATSR_L3C	3.00	AATSR	ATSR_3	Envisat	0.01° global lon-lat grid	Daily + Monthly – Day + Night	2002 – 2012	CEDA Archive (ready) / CCI ODP (in progress)	Land surface temperature from AATSR (Advanced Along-Track Scanning Radiometer), level 3 collated (L3C) global product (2002-2012), version 3.00
TERRA_MODIS_L3C	3.00	MODIS	MODIST	EOS Terra	0.01° global lon-lat grid	Daily + Monthly – Day + Night	2000 – 2018	CEDA Archive (ready) / CCI ODP (in progress)	Land Surface Temperature from MODIS (Moderate resolution Infra-red Spectroradiometer) on Terra, level 3 collated (L3C) global product (2000-2018), version 3.00
AQUA_MODIS_L3C	3.00	MODIS	MODISA	EOS Aqua	0.01° global lon-lat grid	Daily + Monthly – Day + Night	2002 – 2018	CEDA Archive (ready) / CCI ODP (in progress)	Land surface temperature from MODIS (Moderate resolution Infra-red Spectroradiometer) on Aqua, level 3 collated (L3C) global product (2002-2018), version 3.00



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SENTINEL3A_SLSTR_L3C	3.00	SLSTR	SLSTRA	Sentinel 3A	0.01° global lon-lat grid	Daily + Monthly – Day + Night	2016 – 2020	CEDA Archive (ready) / CCI ODP (in progress)	Land surface temperature from SLSTR (Sea and Land Surface Temperature Radiometer) on Sentinel 3A, level 3 collated (L3C) global product (2016-2020), version 3.00
SENTINEL3B_SLSTR_L3C	3.00	SLSTR	SLSTRB	Sentinel 3B	0.01° global lon-lat grid	Daily + Monthly – Day + Night	2018 – 2020	CEDA Archive (ready) / CCI ODP (in progress)	Land Surface Temperature from SLSTR (Sea and Land Surface Temperature Radiometer) on Sentinel 3B, level 3 collated (L3C) global product (2018-2020), version 3.00
MSG1_SEVIRI_L3U	3.00	SEVIRI	SEVIR1	Meteosat-8	0.05° regional lon-lat grid	Hourly	2004-2015	CEDA Archive (in progress) / CCI ODP (in progress)	Land Surface Temperature from SEVIRI (Spinning Enhanced Visible and Infrared Imager) on MSG1, level 3 uncollated (L3U) regional product (2004-2015), version 3.00
MSG2_SEVIRI_L3U	3.00	SEVIRI	SEVIR2	Meteosat-9	0.05° regional lon-lat grid	Hourly	2007-2020	CEDA Archive (in progress) / CCI ODP (in progress)	Land Surface Temperature from SEVIRI (Spinning Enhanced Visible and Infrared Imager) on MSG2, level 3 uncollated (L3U) regional product (2007-2020), version 3.00
MSG3_SEVIRI_L3U	3.00	SEVIRI	SEVIR3	Meteosat-10	0.05° regional lon-lat grid	Hourly	2013-2018	CEDA Archive (in progress) / CCI ODP (in progress)	Land Surface Temperature from SEVIRI (Spinning Enhanced Visible and Infrared Imager) on MSG3, level 3 uncollated (L3U) regional product (2013-2018), version 3.00



Product String	Version	Instruments	LST_cci ID	Satellites	Spatial Resolution	Temporal Resolution	Data Availability	Data Accessibility	Dataset description
MSG4_SEVIRI_L3U	3.00	SEVIRI	SEVIR4	Meteosat-11	0.05° regional lon-lat grid	Hourly	2018-2020	CEDA Archive (in progress) / CCI ODP (in progress)	Land Surface Temperature from SEVIRI (Spinning Enhanced Visible and Infrared Imager) on MSG4, level 3 uncollated (L3U) regional product (2018-2020), version 3.00
GOES12_IMAGER_L3U	1.00	IMAGER	GOES12	GOES-12	0.05° regional lon-lat grid	3-hourly	2009-2010	CEDA Archive (in progress) / CCI ODP (in progress)	Land Surface Temperature from IMAGER on GOES12, level 3 uncollated (L3U) regional product (2009-2010), version 1.00
GOES13_IMAGER_L3U	1.00	IMAGER	GOES13	GOES-13	0.05° regional lon-lat grid	3-hourly	2010-2017	CEDA Archive (in progress) / CCI ODP (in progress)	Land Surface Temperature from IMAGER on GOES13, level 3 uncollated (L3U) regional product (2010-2017), version 1.00
GOES16_ABI_L3U	1.01	ABI	GOES16	GOES-16	0.05° regional lon-lat grid	Hourly	2018-2020	CEDA Archive (in progress) / CCI ODP (in progress)	Land Surface Temperature from ABI (Advanced Baseline Imager) on GOES16, level 3 uncollated (L3U) regional product (2018-2020), version 1.01
MTSAT1_JAMI_L3U	1.00	JAMI	MTSAT1	MTSAT1	0.05° regional lon-lat grid	3-hourly	2009-2010	CEDA Archive (in progress) / CCI ODP (in progress)	Land Surface Temperature from JAMI (Japanese Advanced Meteorological Imager) on MTSAT1, level 3 uncollated (L3U) regional product (2009-2010), version 1.00



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MTSAT2_JAMI_L3U	1.00	JAMI	MTSAT2	MTSAT2	0.05° regional lon-lat grid	3-hourly	2010-2015	CEDA Archive (in progress) / CCI ODP (in progress)	Land Surface Temperature from JAMI (Japanese Advanced Meteorological Imager) on MTSAT2, level 3 uncollated (L3U) regional product (2010-2015), version 1.00
SSMI_SSMIS_L3C	2.23	SSM/I + SSMIS	SSMI13 / SSMI17	DMSP	0.25° global lon-lat grid	Daily + Monthly – Ascending + Descending	1995 - 2018	CEDA Archive (ready) / CCI ODP (in progress)	All-weather MicroWave Land Surface Temperature (MW-LST) global data record (1996-2020)
MULTISENSOR_IRCDR_L3S	2.00	ATSR-2 + AATSR + MODIS + SLSTR	IRCDR_	ERS-2 + Envisat + EOS Terra + Sentinel-3A	0.01° global lon-lat grid	Daily + Monthly – Day + Night	1995 - 2020	CEDA Archive (ready) / CCI ODP (in progress)	Multisensor Infra-Red (IR) Low Earth Orbit (LEO) land surface temperature (LST) time series level 3 supercollated (L3S) global product (1995-2020), version 2.00
MULTISENSOR_IRMGP_L3S	1.00	AATSR + MODIS + SLSTR + SEVIRI + IMAGER + ABI + JAMI	IRMGP_	Envisat + EOS Aqua + EOS Terra + Sentinel-3A + Sentinel-3B + MSGx + GOESx + MTSATx	0.05° global lon-lat grid	3-hourly	2009 - 2020	CEDA Archive (ready) / CCI ODP (in progress)	Multisensor Infra-Red (IR) Low Earth Orbit (LEO) and Geostationary Earth Orbit (GEO) land surface temperature (LST) level 3 supercollated (L3S) global product (2009-2020), version 1.00
NOAA15_AVHRR_L3C	1.00	AVHRR/3	AVHR15	NOAA-15	0.05° global lon-lat grid	Daily – Day + Night	1998 – 2010	Private workspace on Leicester HPC	Land surface temperature from AVHRR (Advanced Very High Resolution Radiometer) on NOAA-15, level 3 collated (L3C) global product (1998-2010), version 1.00

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NOAA16_AVHRR_L3C	1.00	AVHRR/3	AVHR16	NOAA-16	0.05° global lon-lat grid	Daily – Day + Night	2002 – 2010	Private workspace on Leicester HPC	Land surface temperature from AVHRR (Advanced Very High Resolution Radiometer) on NOAA-16, level 3 collated (L3C) global product (2002-2010), version 1.00
NOAA17_AVHRR_L3C	1.00	AVHRR/3	AVHR17	NOAA-17	0.05° global lon-lat grid	Daily – Day + Night	2002 – 2010	Private workspace on Leicester HPC	Land surface temperature from AVHRR (Advanced Very High Resolution Radiometer) on NOAA-17, level 3 collated (L3C) global product (2002-2010), version 1.00
NOAA18_AVHRR_L3C	1.00	AVHRR/3	AVHR18	NOAA-18	0.05° global lon-lat grid	Daily – Day + Night	2005 – 2020	Private workspace on Leicester HPC	Land surface temperature from AVHRR (Advanced Very High Resolution Radiometer) on NOAA-18, level 3 collated (L3C) global product (2005-2020), version 1.00
NOAA19_AVHRR_L3C	1.00	AVHRR/3	AVHR19	NOAA-19	0.05° global lon-lat grid	Daily – Day + Night	2009 – 2020	Private workspace on Leicester HPC	Land surface temperature from AVHRR (Advanced Very High Resolution Radiometer) on NOAA-19, level 3 collated (L3C) global product (2009-2020), version 1.00
METOPA_AVHRR_L3C	1.00	AVHRR/3	AVHRMA	Metop-A	0.05° global lon-lat grid	Daily – Day + Night	2010	Private workspace on Leicester HPC	Land surface temperature from AVHRR (Advanced Very High Resolution Radiometer) on Metop-A, level 3 collated (L3C) global product (2010), version 1.00