

As of October 18, 2010

Count	Climate Record Variable Name	Essential Climate Variable	Algorithm Name	Collateral Products	Responsible Team Member	Source Data Sensors	Future Source Data Sensor	Spacecraft	Channels	Spatial Resolution	Temporal Resolution	Product Units	Projection	Output Format	Metadata Standard	Other Characteristics	Key publication reference	Existing User Groups	Expected User Groups	Outcome	Impact	Website URL (if available)			
										Horizontal	Vertical	Orbits	Start Date	End Date											
1	OLR (Outgoing Longwave Radiation at top of atmosphere)	Atmospheric	Multi-spectral HIRS OLR algorithm	HIRS radiances	Hai-Tien Lee	HIRS/2, 3, 4	MetOp IASI, JPSS Cris, GOES-RABI	POES	1-18	2.5°x2.5° monthly	N/A	All POES orbits	1979	present	W m <sup>-2</sup>	Platte Carée (equal angle)	NetCDF-4	CF	global, in 2.5x2.5 degree grid, all-sky conditions	Lee, H.-T., A. Gruber, R. G. Ellingson and I. Lasco, 2007: Development of the HIRS Outgoing Longwave Radiation climate data set. J. Atmos. Ocean. Tech., 24, 2029-2047.	GEWEX, NOAA Climate Prediction Center (note: product use in transition)	OLR monitoring and application groups, GCM evaluation groups, Satellite OLR product developers, Climate change monitoring and assessment groups	Provide a tool for better monitoring and understanding of global changes and to help improvement of modeling	Global change evaluation and public awareness, Climate outlook forecast, ENSO monitoring and prediction	<a href="http://rics.umd.edu/~lee/HRIS_OLR.html">http://rics.umd.edu/~lee/HRIS_OLR.html</a>