

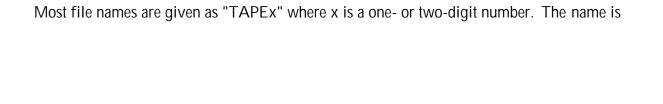
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# Frequently Asked Questions about LNFL and LBLRTM AER, Inc.

1	FAQ Questions – (click on section number for direct link)	2
2	General LBLRTM Description	3
3	General LNFL/LBLRTM File Information	3
	3.1 Platforms on which LBLRTM can be run	.3
	Using LBLRTM in XP	4
	3.2	

### 2 General LBLRTM Description

LBLRTM (Line-By-Line Radiative Transfer Model) is an accurate and efficient line-by-line radiative transfer model derived from



Note that a limited amount of spectral output information may also be put in the TAPE6 using the MPTS/NPTS options of TAPE5 record 1.2.

4 Instructions and Tips for Running LNFL

LNFL is used to generate a unformatted file (TAPE3) of all the line parameters required by LBLRTM.

#### 4.1 Input files for LNFL

TAPE1: The line parameter database in ASCII format (also available on www.rtweb.aer.com).

The spectral

simplify radiative	transfer	calculations	by using	approximations	to	represent	the	line-by-line
characteristics of a	particula	r spectral int	erval.					

boundary (IMRG=40 and IOD=3) with the Jacobian taken with respect to state type xx where:

surface parameters temperature xx = -1

xx = 0

Multiple runs of Step C may be performed once Α