1 General LBLRTM Description

LBLRTM (Line-

Table 1. Current LBLRTM supported platforms.

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898:				

2.3 LNFL/LBLRTM Naming Convention

TAPE11: Filtered radiance or transmittance (also applies to any user-designated

different molecules. In order to resolve these individual lines, a nominal spectral sampling rate of less than the mean line half width must be utilized. Such highly resolved radiative transfer calculations are called line-by-line (LBL) calculations. The computational time associated with calculating broadband fluxes from LBL calculations is formidable. A band model aims to simplify radiative transfer calculations by using approximations to represent the line-by-line characteristics of a particular spectral interval. Band models are appr0.06 10-1 (te) -1 (rv) -erv a1 (te) (p) -1 (eita) -1(e) -1 (rr

Step C: Create the layer and level Analytic Jacobian files in directory AJ; RDderivUPW_xx_lll and

5.9 Line coupling/mixing

Line coupling parameters are utilized in LBLRTM for O_2, CO_2 and CH_4. The line coupling parameters are provided in the AER l