

	C5	C6	Comment
RT code	6s	LBLRTM (Line-By-Line Radiative Transfer Model)	6S is MODTRAN database. LBLRTM is HITRAN database.
No. of gases considered	3 [H <sub>2</sub> O, O <sub>3</sub> , CO <sub>2</sub> ]	10 [H <sub>2</sub> O, O <sub>3</sub> , O <sub>2</sub> , CO, CO <sub>2</sub> , CH <sub>4</sub> , NO, N <sub>2</sub> O, NO <sub>2</sub> , SO <sub>2</sub> ]	Inclusion of “other” dry gases in C6 created big differences in MODIS bands 5 and 7 (see Fig. 2).
Climatological gas optical depths	Midlatitude summer	US76 Standard Atmosphere	