

Hello,

I presume your either a chemist, astronomer, researcher or spectroscopist.

For quite a while now I have been collecting, searching and researching ultraviolet spectra (higher the resolution the better) of SOLAR, ATOMIC and MOLECULAR species from the region of:

2900-2960 Angstroms (A) or
290 -296 Nanometers (nm)

FOR A BETTER EXAMPLE PLEASE SEE THE PDF's IN THIS FOLDER
ESPECIALLY : Pearse & Gaydon Identification Molecular Spectra.pdf

24	THE IDENTIFICATION OF MOLECULAR SPECTRA									
	Ab.	F.	A(a).	A(r).	D ⁺ .	D ⁻ .		System.	App.	Occ.
3548-7 R	—	—	6	—	6	—	SO			
3545-9 R	—	—	—	—	—	9	CO ₂			e.
3541 M	10	—	—	—	—	—	HNO ₂ †			
*3536-7 V	—	—	—	—	8	—	N ₂	2nd Positive	CT.	
*3535-0 R	—	—	—	4	4	—	SiN		D.	N.
3533-8 R	—	—	—	—	—	7	CO ₂			e.
3525-5 R	—	—	7	—	—	—	BO	α	CD.	N.
3517-7 R	—	—	—	—	—	9	O ₂ ⁺	2nd Negative		He.
3516-1 R	—	—	—	8	—	—	O ₂	Schumann-Runge		
3516 R	—	—	—	5	—	—	AgH			
3514-3 R	—	—	—	—	10	—	SiTe			
3511-7 V	—	—	—	—	—	7	CO ⁺	Baldet-Johnson	wr.	He.
3511-4 R	10	—	—	—	—	—	ClO ₂			
3510-8 R	—	—	—	—	—	6	CO ₂			e.
3508-2 R	—	—	—	—	8	—	CP	A.		A.
3507-3 R	—	—	—	—	—	10	HCl ⁺			
3503-8 R	—	—	10	—	—	—	SrO			

These have been the best resources available along with some private sources some researchers have provided to me:

The Identification of Molecular Spectra, RWB Pearse & AGG Gaydon, 1976, QC454.M6P4 (molecular spectra by wavelength and molecule)

Tables of Spectral Line Intensities Part II - Arranged by Wavelengths, WF Meggers et al, QC453.M4 (atomic spectra from 2000-9000A)

Tables de Constantes et Donnees Numeriques, RF Barrow, 1962, QC453.R6 (molecular spectra by wavelength with references - in French)

Tables of Band Features of Diatomic Molecules in Wavelength Order (Version A, 1974 & Complement A1, 1977), Ingvar Kopp et al, QC454.M6K66 (molecular spectra by wavelength)

If you have any similar resources of Ultraviolet spectra ESPECIALLY molecular species containing Carbon, Nitrogen, Hydrogen and/or Oxygen please contact me.

thank you

George R Lewycky
New York City, USA
grlewycky@yahoo.com