Table 6. Photon energies (E_p's) in the hydrogen spectrum used to construct Table 7 and Fig. 12.
Bolded E_p's are in the range 617.3-2239.5 cm^{-1}. These E_p's are for the points plotted in Fig. 12.

n_i	$n_f = 4$	[i]	$n_f = 5$	[i]	$n_f = 6$	[i]	$n_f = 7$	[i]	$n_f = 8$
5	(High E_p's)								
6	↓	[15]	***1341.2***						
7		[2]	***2149.9***	[18]	***808.7***				
8			(High E_p's)	[15]	***1333.6***		(Low E_p)		
9			↓	[11]	***1693.5***	[17]	***884.8***		(Low E_p)
10				[4]	***1950.9***	[16]	***1142.2***	[19]	***617.3***
11				[2]	***2141.3***	[15]	***1332.6***	[18]	***807.7***
12					(High E_p's)	[14]	***1477.5***	E ring	952.6
13					↓	[13]	**1590.2**	E ring	1065.3
14						[12]	***1679.6***	E ring	1154.8
15						[9]	***1751.8***	E ring	1226.9
16						[8]	***1810.9***	E ring	1286.0
17						[7]	***1859.8***	E ring	1334.9
18						[6]	***1900.8***	E ring	1375.9
19						[5]	***1935.6***	E ring	1410.7
20						[3]	***1965.2***	E ring	1440.3
21						A ring	1990.7	E ring	1465.8
22						A ring	2012.8	E ring	1487.9
23						A ring	2032.1	E ring	1507.2
24						A ring	2049.0	E ring	1524.1
25						A ring	2064.0	E ring	1539.1
26						A ring	2077.2	E ring	1552.3
↓							↓		↓
∞						IE A [1]	***2239.5***	IE E [10]	***1714.6***

A set of principal quantum numbers (n_f,n_i) defines a transition in the hydrogen atom where $n_i > n_f$.
The column of integers on the far left contains values of n_i, the initial quantum number for the transition.
The row of integers along the top contains values of n_f, the final quantum number for a transition.
A photon energy $E_p(n_f,n_i)$ in units of cm^{-1} is listed under each n_f and in a row where the initial quantum number is n_i.
Bolded E_p's are assigned to individual satellites and ring inner edges in Saturn's satellite system.
Unbolded E_p's contributed to the creation of the A ring and E ring. IE A is inner edge A ring.
The satellite index [i] to the left of each bolded E_p is the index assigned to a satellite or ring edge in Table 7. An [i] value associates each E_p with a particular orbital radius of a satellite or ring edge in Saturn's system. There are no unpaired E_p's or orbital radii. Most importantly limits $E_p(7,\infty)$and $E_p(8,\infty)$ are associated with the inner radii of the A and E rings respectively.
All unbolded close E_p's contribute to either the A or E ring of Saturn.
(Low E_p) is indicated for $E_p(7,8)$ and $E_p(8,9)$ because they are out of the range of interest.
(High E_p's) is indicated for many E_p's because they are out of range of interest.
E_p's corresponding to $n_f = 9$ or larger are not included. Apparently they did not create resonance.