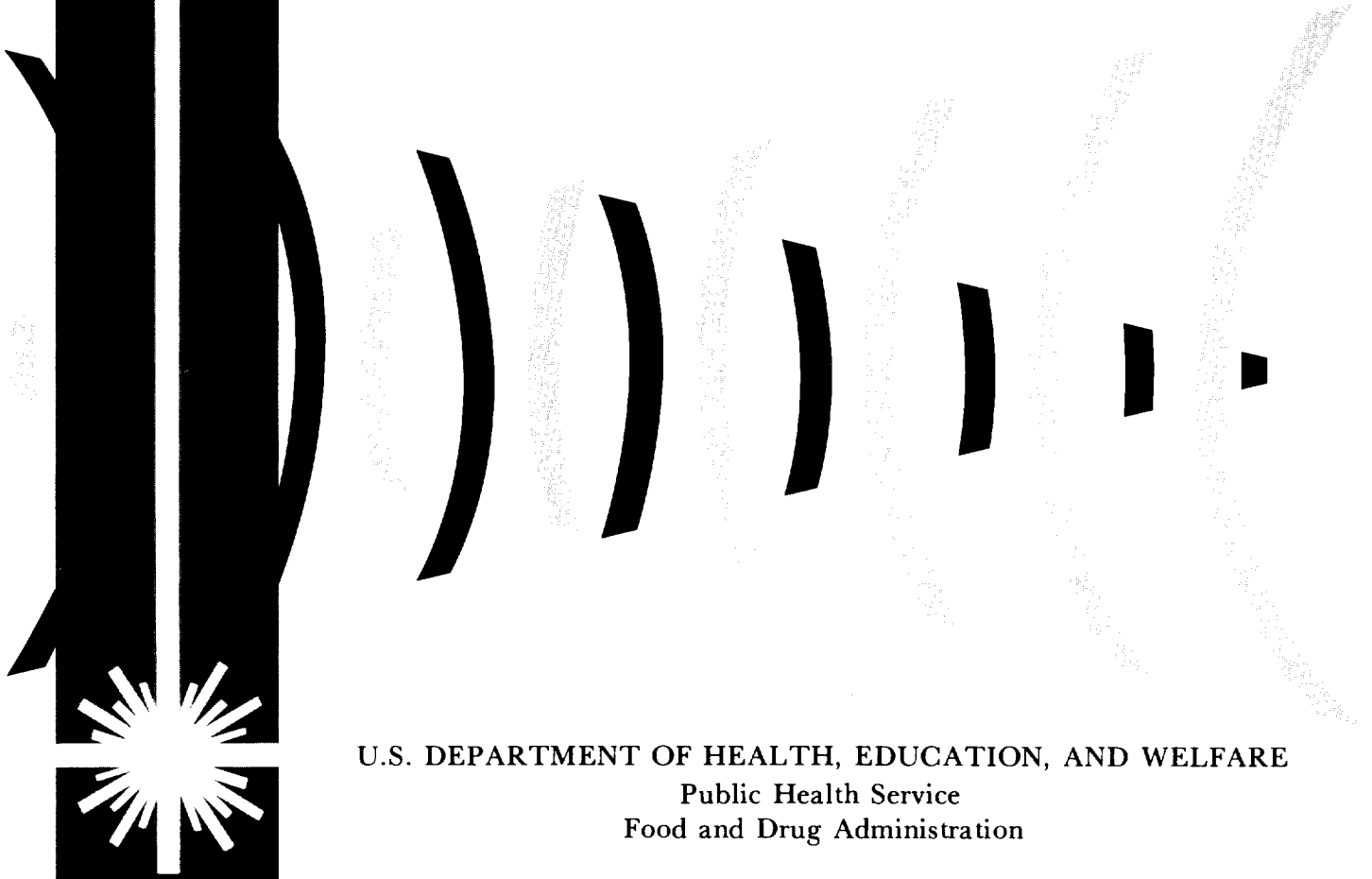


TABULATED VALUES OF
ACCESSIBLE EMISSION LIMITS
FOR
LASER PRODUCTS



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Food and Drug Administration

TABULATED VALUES OF
ACCESSIBLE EMISSION LIMITS
FOR
LASER PRODUCTS

Compiled by:

Division of Compliance

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Division of Electronic Products

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Office of the Associate Director for Administration

March 1976

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Food and Drug Administration
Bureau of Radiological Health
Rockville, Maryland 20852

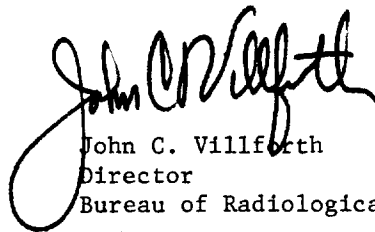
FOREWORD

The Bureau of Radiological Health conducts a national program to limit man's exposure to ionizing and nonionizing radiations. To this end, the Bureau (1) develops criteria and recommends standards for safe limits of radiation exposure, (2) develops methods and techniques for controlling radiation exposure, (3) plans and conducts research to determine health effects of radiation exposure, (4) provides technical assistance to agencies responsible for radiological health control programs, and (5) conducts an electronic product radiation control program to protect the public health and safety.

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John C. Villforth
Director
Bureau of Radiological Health

INTRODUCTION

The Federal performance standard for laser products (21 CFR 1040.10 and 1040.11) will be applicable to products manufactured on or after August 2, 1976. The standard provides for the classification of laser products into one of four progressively more hazardous classes: Class I, II, III or IV. Accessible emission limits for each class are a function of the wavelength and emission duration and are given in Tables I-A, I-B and I-C of 21 CFR 1040.10(d). To assist manufacturers and others who may need to calculate or determine accessible emission limits, the Bureau of Radiological Health has computed the values of these limits at selected wavelengths and sampling intervals using the formulas in the tables. The computed results are presented in tabular form.

A single uniform presentation is not appropriate because the values of the accessible emission limits may vary at differing, nonlinear rates as functions of both wavelength and emission duration. Subsections have been added to provide the needed resolution. The user is cautioned about interpolation between the computed values because of the nonlinearity of the functions.

The tables list wavelengths vertically, and specific sampling intervals horizontally. For each combination of wavelength and sampling intervals the accessible emission limits for laser radiation of Classes I, II, and III are listed vertically in order. Tables 7 and 8 present the Class I limits for laser radiation in terms of integrated radiance and radiance.

The units of the accessible emission limits are listed in the tables using the following symbols:

<u>Symbol</u>	<u>Units</u>	<u>Parameter</u>
J	joule	Radiant Energy
J*	joule centimeter ⁻²	Radiant Exposure
J#	joule centimeter ⁻² steradian ⁻¹	Integrated Radiance
W	watt	Radiant Power
W*	watt centimeter ⁻²	Irradiance
W#	watt centimeter ⁻² steradian ⁻¹	Radiance

The symbol D indicates the power of 10, e.g. 2.54D-05 means 2.54 x 10⁻⁵.

The tables are used by first consulting the table of contents to determine which section contains the wavelength and sampling interval of interest. Within the table indicated, locate the wavelength in the left

margin and sampling interval in the top margin. The accessible emission limits are found at the intersection.

For example: What are the accessible emission limits for a laser radiation of wavelength 632.8 nm and sampling interval of 1 millisecond? From the table of contents, this combination is in Table 4B. The limits may be read in Table 4B as follows:

- Class I 3.94×10^{-6} joules
- Class II Limits do not apply to
this sampling interval
- Class III 1.00 joule centimeter⁻²

The Class I accessible emission limit for integrated radiance is found in Table 7B for this combination of wavelength and sampling interval which is

$$1.00 \text{ joule centimeter}^{-2} \text{ steradian}^{-1}$$

Note that for a laser product to exceed the limits of Class I, it must exceed the Class I accessible emission limits for both radiant energy and integrated radiance.

TABLE OF CONTENTS

ACCESSIBLE EMISSION LIMITS

For Radiant Energy, Power, or Irradiance

Wavelength Range (nanometers)	Sampling Interval range (seconds)	Table	Page
250 - 304.9	1.0×10^{-9} - $>3.0 \times 10^4$	1	1
305 - 312.9	1.0×10^{-9} - 1.0×10^{-3}	2A	4
305 - 312.9	5.0×10^{-3} - $>3.0 \times 10^4$	2B	12
313 - 400	1.0×10^{-9} - 5.0×10^{-5}	3A	20
313 - 400	1.0×10^{-4} - 5.0×10^{-2}	3B	22
313 - 400	1.0×10^{-1} - $>3.0 \times 10^4$	3C	24
>400 - 700	1.0×10^{-9} - 5.0×10^{-6}	4A	26
>400 - 700	1.0×10^{-5} - 5.0×10^{-2}	4B	26
>400 - 700	1.0×10^{-1} - $>1.0 \times 10^4$	4C	26
>700 - 1400	1.0×10^{-9} - 1.0×10^{-5}	5A	27
>700 - 1400	5.0×10^{-5} - 2.5×10^{-1}	5B	31
>700 - 1400	1.0×10^0 - $>1.0 \times 10^4$	5C	35
>1400 - 13000	1.0×10^{-9} - 5.0×10^{-5}	6A	39
>1400 - 13000	1.0×10^{-4} - 5.0×10^{-2}	6B	39
>1400 - 13000	1.0×10^{-1} - $>1.0 \times 10^1$	6C	39

For Integrated Radiance or Radiance

Wavelength Range (nanometers)	Sampling Interval Range (seconds)	Table	Page
>400 - 700	1.0×10^{-9} - 5.0×10^{-6}	7A	40
>400 - 700	1.0×10^{-5} - 5.0×10^{-2}	7B	40
>400 - 700	1.0×10^{-1} - $>1.0 \times 10^4$	7C	40
>700 - 1400	1.0×10^{-9} - 1.0×10^{-5}	8C	41
>700 - 1400	5.0×10^{-5} - 2.5×10^{-1}	8B	42
>700 - 1400	1.0×10^0 - $>1.0 \times 10^4$	8C	43

TABLE 1

WAVELENGTH RANGE - 250 THRU 304.9

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS			
	⁻⁹ 10	⁻¹ - 2.5 X 10	⁻¹ >2.5 X 10	⁴ -3.0 X 10 >3.0 X 10
250-302.4	2.40D-05 J		2.40D-05 J	8.00D-10 W
	NA		NA	NA
	3.80D-04 J		1.50D-03 W	1.50D-03 W
302.5	2.51D-05 J		2.51D-05 J	8.38D-10 W
	NA		NA	NA
	3.98D-04 J		1.57D-03 W	1.57D-03 W
302.6	2.63D-05 J		2.63D-05 J	8.77D-10 W
	NA		NA	NA
	4.17D-04 J		1.64D-03 W	1.64D-03 W
302.7	2.76D-05 J		2.76D-05 J	9.19D-10 W
	NA		NA	NA
	4.36D-04 J		1.72D-03 W	1.72D-03 W
302.8	2.89D-05 J		2.89D-05 J	9.62D-10 W
	NA		NA	NA
	4.57D-04 J		1.80D-03 W	1.80D-03 W
302.9	3.02D-05 J		3.02D-05 J	1.01D-09 W
	NA		NA	NA
	4.78D-04 J		1.89D-03 W	1.89D-03 W
303.0	3.16D-05 J		3.16D-05 J	1.05D-09 W
	NA		NA	NA
	5.01D-04 J		1.98D-03 W	1.98D-03 W
303.1	3.31D-05 J		3.31D-05 J	1.10D-09 W
	NA		NA	NA
	5.25D-04 J		2.07D-03 W	2.07D-03 W
303.2	3.47D-05 J		3.47D-05 J	1.16D-09 W
	NA		NA	NA
	5.49D-04 J		2.17D-03 W	2.17D-03 W
303.3	3.63D-05 J		3.63D-05 J	1.21D-09 W
	NA		NA	NA
	5.75D-04 J		2.27D-03 W	2.27D-03 W

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	SAMPLING INTERVAL IN SECONDS			
	10 ⁻⁹	2.5 X 10 ⁻¹	>2.5 X 10 ⁻¹	3.0 X 10 ⁴
303.4	3.80D-05 J NA 6.02D-04 J		3.80D-05 J NA 2.38D-03 W	1.27D-09 W NA 2.38D-03 W
303.5	3.98D-05 J NA 6.31D-04 J		3.98D-05 J NA 2.49D-03 W	1.33D-09 W NA 2.49D-03 W
303.6	4.17D-05 J NA 6.60D-04 J		4.17D-05 J NA 2.61D-03 W	1.39D-09 W NA 2.61D-03 W
303.7	4.37D-05 J NA 6.91D-04 J		4.37D-05 J NA 2.73D-03 W	1.46D-09 W NA 2.73D-03 W
303.8	4.57D-05 J NA 7.24D-04 J		4.57D-05 J NA 2.86D-03 W	1.52D-09 W NA 2.86D-03 W
303.9	4.79D-05 J NA 7.58D-04 J		4.79D-05 J NA 2.99D-03 W	1.60D-09 W NA 2.99D-03 W
304.0	5.01D-05 J NA 7.94D-04 J		5.01D-05 J NA 3.13D-03 W	1.67D-09 W NA 3.13D-03 W
304.1	5.25D-05 J NA 8.31D-04 J		5.25D-05 J NA 3.28D-03 W	1.75D-09 W NA 3.28D-03 W
304.2	5.50D-05 J NA 8.71D-04 J		5.50D-05 J NA 3.44D-03 W	1.83D-09 W NA 3.44D-03 W
304.3	5.76D-05 J NA 9.12D-04 J		5.76D-05 J NA 3.60D-03 W	1.92D-09 W NA 3.60D-03 W

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	⁻⁹ 10	- 2.5 X 10 ⁻¹	⁻¹	⁻¹	>2.5 X 10 ⁻¹	- 3.0 X 10 ⁴	>3.0 X 10 ⁴
304.4	6.03D-05 J	NA	9.55D-04 J	6.03D-05 J	NA	3.77D-03 W	2.01D-09 W
							NA
							3.77D-03 W
304.5	6.31D-05 J	NA	1.00D-03 J	6.31D-05 J	NA	3.95D-03 W	2.10D-09 W
							NA
							3.95D-03 W
304.6	6.61D-05 J	NA	1.05D-03 J	6.61D-05 J	NA	4.13D-03 W	2.20D-09 W
							NA
							4.13D-03 W
304.7	6.92D-05 J	NA	1.10D-03 J	6.92D-05 J	NA	4.33D-03 W	2.31D-09 W
							NA
							4.33D-03 W
304.8	7.25D-05 J	NA	1.15D-03 J	7.25D-05 J	NA	4.53D-03 W	2.42D-09 W
							NA
							4.53D-03 W
304.9	7.59D-05 J	NA	1.20D-03 J	7.59D-05 J	NA	4.74D-03 W	2.53D-09 W
							NA
							4.74D-03 W

TABLE 2A

WAVELENGTH RANGE - 305 THRU 312.9

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	⁻⁹ 10 ⁻¹⁰	⁻⁷ 5.0 X 10 ⁻⁷	⁻⁷ 1.0 X 10 ⁻⁶	⁻⁶ 5.0 X 10 ⁻⁶	⁻⁶ 1.0 X 10 ⁻⁵	⁻⁵ 5.0 X 10 ⁻⁵	⁻⁵ 1.0 X 10 ⁻⁴	⁻⁴ 5.0 X 10 ⁻⁴	⁻⁴ 1.0 X 10 ⁻³	⁻³ 5.0 X 10 ⁻³
305.0	7.90D-05 J NA	7.95D-05 J NA	7.95D-05 J NA	7.95D-05 J NA	7.95D-05 J NA	7.95D-05 J NA	7.95D-05 J NA	7.95D-05 J NA	7.95D-05 J NA	7.95D-05 J NA
	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J
305.1	7.90D-05 J NA	8.32D-05 J NA	8.32D-05 J NA	8.32D-05 J NA	8.32D-05 J NA	8.32D-05 J NA	8.32D-05 J NA	8.32D-05 J NA	8.32D-05 J NA	8.32D-05 J NA
	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J
305.2	7.90D-05 J NA	8.71D-05 J NA	8.71D-05 J NA	8.71D-05 J NA	8.71D-05 J NA	8.71D-05 J NA	8.71D-05 J NA	8.71D-05 J NA	8.71D-05 J NA	8.71D-05 J NA
	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J
305.3	7.90D-05 J NA	9.12D-05 J NA	9.12D-05 J NA	9.12D-05 J NA	9.12D-05 J NA	9.12D-05 J NA	9.12D-05 J NA	9.12D-05 J NA	9.12D-05 J NA	9.12D-05 J NA
	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J
305.4	7.90D-05 J NA	9.55D-05 J NA	9.55D-05 J NA	9.55D-05 J NA	9.55D-05 J NA	9.55D-05 J NA	9.55D-05 J NA	9.55D-05 J NA	9.55D-05 J NA	9.55D-05 J NA
	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J
305.5	7.90D-05 J NA	1.00D-04 J NA	1.00D-04 J NA	1.00D-04 J NA	1.00D-04 J NA	1.00D-04 J NA	1.00D-04 J NA	1.00D-04 J NA	1.00D-04 J NA	1.00D-04 J NA
	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J
305.6	7.90D-05 J NA	1.05D-04 J NA	1.05D-04 J NA	1.05D-04 J NA	1.05D-04 J NA	1.05D-04 J NA	1.05D-04 J NA	1.05D-04 J NA	1.05D-04 J NA	1.05D-04 J NA
	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J
305.7	7.90D-05 J NA	1.10D-04 J NA	1.10D-04 J NA	1.10D-04 J NA	1.10D-04 J NA	1.10D-04 J NA	1.10D-04 J NA	1.10D-04 J NA	1.10D-04 J NA	1.10D-04 J NA
	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J
305.8	7.90D-05 J NA	1.15D-04 J NA	1.15D-04 J NA	1.15D-04 J NA	1.15D-04 J NA	1.15D-04 J NA	1.15D-04 J NA	1.15D-04 J NA	1.15D-04 J NA	1.15D-04 J NA
	1.82D-03 J	1.82D-03 J	1.82D-03 J	1.32D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J
305.9	7.90D-05 J NA	1.17D-04 J NA	1.20D-04 J NA	1.20D-04 J NA	1.20D-04 J NA	1.20D-04 J NA	1.20D-04 J NA	1.20D-04 J NA	1.20D-04 J NA	1.20D-04 J NA
	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	⁻⁹ 10 ⁻¹⁰	⁻⁷ 5.0 X 10 ⁻⁷	⁻⁷ 1.0 X 10 ⁻⁶	⁻⁶ 5.0 X 10 ⁻⁶	⁻⁶ 1.0 X 10 ⁻⁵	⁻⁵ 5.0 X 10 ⁻⁵	⁻⁵ 1.0 X 10 ⁻⁴	⁻⁴ 5.0 X 10 ⁻⁴	⁻⁴ 1.0 X 10 ⁻³	⁻³ 1.0 X 10 ⁻³
306.0	7.90D-05 J NA	1.17D-04 J NA	1.26D-04 J NA	1.26D-04 J NA	1.26D-04 J NA	1.26D-04 J NA	1.26D-04 J NA	1.26D-04 J NA	1.26D-04 J NA	1.26D-04 J NA
	1.99D-03 J	1.99D-03 J	1.99D-03 J	1.99D-03 J	1.99D-03 J	1.99D-03 J	1.99D-03 J	1.99D-03 J	1.99D-03 J	1.99D-03 J
306.1	7.90D-05 J NA	1.17D-04 J NA	1.32D-04 J NA	1.32D-04 J NA	1.32D-04 J NA	1.32D-04 J NA	1.32D-04 J NA	1.32D-04 J NA	1.32D-04 J NA	1.32D-04 J NA
	2.09D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J
306.2	7.90D-05 J NA	1.17D-04 J NA	1.38D-04 J NA	1.38D-04 J NA	1.38D-04 J NA	1.38D-04 J NA	1.38D-04 J NA	1.38D-04 J NA	1.38D-04 J NA	1.38D-04 J NA
	2.19D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J
306.3	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	1.45D-04 J NA	1.45D-04 J NA	1.45D-04 J NA	1.45D-04 J NA	1.45D-04 J NA	1.45D-04 J NA	1.45D-04 J NA
	2.29D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J
306.4	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	1.51D-04 J NA	1.51D-04 J NA	1.51D-04 J NA	1.51D-04 J NA	1.51D-04 J NA	1.51D-04 J NA	1.51D-04 J NA
	2.40D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J
306.5	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	1.59D-04 J NA	1.59D-04 J NA	1.59D-04 J NA	1.59D-04 J NA	1.59D-04 J NA	1.59D-04 J NA	1.59D-04 J NA
	2.51D-03 J	2.51D-03 J	2.51D-03 J	2.51D-03 J	2.51D-03 J	2.51D-03 J	2.51D-03 J	2.51D-03 J	2.51D-03 J	2.51D-03 J
306.6	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	1.66D-04 J NA	1.66D-04 J NA	1.66D-04 J NA	1.66D-04 J NA	1.66D-04 J NA	1.66D-04 J NA	1.66D-04 J NA
	2.63D-03 J	2.63D-03 J	2.63D-03 J	2.63D-03 J	2.63D-03 J	2.63D-03 J	2.63D-03 J	2.63D-03 J	2.63D-03 J	2.63D-03 J
306.7	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	1.74D-04 J NA	1.74D-04 J NA	1.74D-04 J NA	1.74D-04 J NA	1.74D-04 J NA	1.74D-04 J NA	1.74D-04 J NA
	2.75D-03 J	2.75D-03 J	2.75D-03 J	2.75D-03 J	2.75D-03 J	2.75D-03 J	2.75D-03 J	2.75D-03 J	2.75D-03 J	2.75D-03 J
306.8	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	1.82D-04 J NA	1.82D-04 J NA	1.82D-04 J NA	1.82D-04 J NA	1.82D-04 J NA	1.82D-04 J NA	1.82D-04 J NA
	2.88D-03 J	2.88D-03 J	2.88D-03 J	2.88D-03 J	2.88D-03 J	2.88D-03 J	2.88D-03 J	2.88D-03 J	2.88D-03 J	2.88D-03 J
306.9	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	1.91D-04 J NA	1.91D-04 J NA	1.91D-04 J NA	1.91D-04 J NA	1.91D-04 J NA	1.91D-04 J NA	1.91D-04 J NA
	3.02D-03 J	3.02D-03 J	3.02D-03 J	3.02D-03 J	3.02D-03 J	3.02D-03 J	3.02D-03 J	3.02D-03 J	3.02D-03 J	3.02D-03 J

51

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	⁻⁹ 10 ⁻¹⁰	⁻⁷ 5.0 X 10 ⁻⁷	⁻⁶ 1.0 X 10 ⁻⁶	⁻⁶ 5.0 X 10 ⁻⁶	⁻⁵ 1.0 X 10 ⁻⁵	⁻⁵ 5.0 X 10 ⁻⁵	⁻⁴ 1.0 X 10 ⁻⁴	⁻⁴ 5.0 X 10 ⁻⁴	⁻³ 1.0 X 10 ⁻³
307.0	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.00D-04 J NA	2.00D-04 J NA	2.00D-04 J NA	2.00D-04 J NA	2.00D-04 J NA	2.00D-04 J NA
	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J
307.1	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.09D-04 J NA	2.09D-04 J NA	2.09D-04 J NA	2.09D-04 J NA	2.09D-04 J NA
	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J
307.2	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.19D-04 J NA	2.19D-04 J NA	2.19D-04 J NA	2.19D-04 J NA	2.19D-04 J NA
	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J
307.3	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.29D-04 J NA	2.29D-04 J NA	2.29D-04 J NA	2.29D-04 J NA	2.29D-04 J NA
	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J
307.4	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.40D-04 J NA	2.40D-04 J NA	2.40D-04 J NA	2.40D-04 J NA	2.40D-04 J NA
	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J
307.5	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	2.51D-04 J NA	2.51D-04 J NA	2.51D-04 J NA	2.51D-04 J NA
	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J
307.6	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	2.63D-04 J NA	2.63D-04 J NA	2.63D-04 J NA	2.63D-04 J NA
	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J
307.7	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	2.76D-04 J NA	2.76D-04 J NA	2.76D-04 J NA	2.76D-04 J NA
	4.36D-03 J	4.36D-03 J	4.36D-03 J	4.36D-03 J	4.36D-03 J	4.36D-03 J	4.36D-03 J	4.36D-03 J	4.36D-03 J
307.8	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	2.89D-04 J NA	2.89D-04 J NA	2.89D-04 J NA	2.89D-04 J NA
	4.57D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J
307.9	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.02D-04 J NA	3.02D-04 J NA	3.02D-04 J NA	3.02D-04 J NA
	4.78D-03 J	4.78D-03 J	4.78D-03 J	4.78D-03 J	4.78D-03 J	4.78D-03 J	4.78D-03 J	4.78D-03 J	4.78D-03 J

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	⁻⁹ 10 ⁻¹⁰	⁻⁷ 5.0 X 10 ⁻⁷	⁻⁶ 1.0 X 10 ⁻⁶	⁻⁶ 5.0 X 10 ⁻⁶	⁻⁵ 1.0 X 10 ⁻⁵	⁻⁵ 5.0 X 10 ⁻⁵	⁻⁴ 1.0 X 10 ⁻⁴	⁻⁴ 5.0 X 10 ⁻⁴	⁻³ 1.0 X 10 ⁻³
308.0	7.90D-05 J NA 5.01D-03 J	1.17D-04 J NA 5.01D-03 J	1.39D-04 J NA 5.01D-03 J	2.08D-04 J NA 5.01D-03 J	2.47D-04 J NA 5.01D-03 J	3.16D-04 J NA 5.01D-03 J	3.16D-04 J NA 5.01D-03 J	3.16D-04 J NA 5.01D-03 J	3.16D-04 J NA 5.01D-03 J
308.1	7.90D-05 J NA 5.25D-03 J	1.17D-04 J NA 5.25D-03 J	1.39D-04 J NA 5.25D-03 J	2.08D-04 J NA 5.25D-03 J	2.47D-04 J NA 5.25D-03 J	3.31D-04 J NA 5.25D-03 J	3.31D-04 J NA 5.25D-03 J	3.31D-04 J NA 5.25D-03 J	3.31D-04 J NA 5.25D-03 J
308.2	7.90D-05 J NA 5.49D-03 J	1.17D-04 J NA 5.49D-03 J	1.39D-04 J NA 5.49D-03 J	2.08D-04 J NA 5.49D-03 J	2.47D-04 J NA 5.49D-03 J	3.47D-04 J NA 5.49D-03 J	3.47D-04 J NA 5.49D-03 J	3.47D-04 J NA 5.49D-03 J	3.47D-04 J NA 5.49D-03 J
308.3	7.90D-05 J NA 5.75D-03 J	1.17D-04 J NA 5.75D-03 J	1.39D-04 J NA 5.75D-03 J	2.08D-04 J NA 5.75D-03 J	2.47D-04 J NA 5.75D-03 J	3.63D-04 J NA 5.75D-03 J	3.63D-04 J NA 5.75D-03 J	3.63D-04 J NA 5.75D-03 J	3.63D-04 J NA 5.75D-03 J
308.4	7.90D-05 J NA 6.02D-03 J	1.17D-04 J NA 6.02D-03 J	1.39D-04 J NA 6.02D-03 J	2.08D-04 J NA 6.02D-03 J	2.47D-04 J NA 6.02D-03 J	3.70D-04 J NA 6.02D-03 J	3.80D-04 J NA 6.02D-03 J	3.80D-04 J NA 6.02D-03 J	3.80D-04 J NA 6.02D-03 J
308.5	7.90D-05 J NA 6.31D-03 J	1.17D-04 J NA 6.31D-03 J	1.39D-04 J NA 6.31D-03 J	2.08D-04 J NA 6.31D-03 J	2.47D-04 J NA 6.31D-03 J	3.70D-04 J NA 6.31D-03 J	3.98D-04 J NA 6.31D-03 J	3.98D-04 J NA 6.31D-03 J	3.98D-04 J NA 6.31D-03 J
308.6	7.90D-05 J NA 6.60D-03 J	1.17D-04 J NA 6.60D-03 J	1.39D-04 J NA 6.60D-03 J	2.08D-04 J NA 6.60D-03 J	2.47D-04 J NA 6.60D-03 J	3.70D-04 J NA 6.60D-03 J	4.17D-04 J NA 6.60D-03 J	4.17D-04 J NA 6.60D-03 J	4.17D-04 J NA 6.60D-03 J
308.7	7.90D-05 J NA 6.91D-03 J	1.17D-04 J NA 6.91D-03 J	1.39D-04 J NA 6.91D-03 J	2.08D-04 J NA 6.91D-03 J	2.47D-04 J NA 6.91D-03 J	3.70D-04 J NA 6.91D-03 J	4.37D-04 J NA 6.91D-03 J	4.37D-04 J NA 6.91D-03 J	4.37D-04 J NA 6.91D-03 J
308.8	7.90D-05 J NA 7.24D-03 J	1.17D-04 J NA 7.24D-03 J	1.39D-04 J NA 7.24D-03 J	2.08D-04 J NA 7.24D-03 J	2.47D-04 J NA 7.24D-03 J	3.70D-04 J NA 7.24D-03 J	4.40D-04 J NA 7.24D-03 J	4.57D-04 J NA 7.24D-03 J	4.57D-04 J NA 7.24D-03 J
308.9	7.90D-05 J NA 7.58D-03 J	1.17D-04 J NA 7.58D-03 J	1.39D-04 J NA 7.58D-03 J	2.08D-04 J NA 7.58D-03 J	2.47D-04 J NA 7.58D-03 J	3.70D-04 J NA 7.58D-03 J	4.40D-04 J NA 7.58D-03 J	4.79D-04 J NA 7.58D-03 J	4.79D-04 J NA 7.58D-03 J

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	⁻⁹ 10 ⁻¹⁰	⁻⁷ 5.0 X 10 ⁻⁷	⁻⁷ 1.0 X 10 ⁻⁶	⁻⁶ 5.0 X 10 ⁻⁶	⁻⁵ 1.0 X 10 ⁻⁵	⁻⁵ 5.0 X 10 ⁻⁵	⁻⁴ 1.0 X 10 ⁻⁴	⁻⁴ 5.0 X 10 ⁻⁴	⁻³ 1.0 X 10 ⁻³	⁻³ 5.0 X 10 ⁻³
309.0	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	5.01D-04 J	5.01D-04 J	5.01D-04 J
	NA 7.94D-03 J	NA 7.94D-03 J	NA 7.94D-03 J	NA 7.94D-03 J	NA 7.94D-03 J	NA 7.94D-03 J	NA 7.94D-03 J	NA 7.94D-03 J	NA 7.94D-03 J	NA 7.94D-03 J
309.1	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	5.25D-04 J	5.25D-04 J	5.25D-04 J
	NA 8.31D-03 J	NA 8.31D-03 J	NA 8.31D-03 J	NA 8.31D-03 J	NA 8.31D-03 J	NA 8.31D-03 J	NA 8.31D-03 J	NA 8.31D-03 J	NA 8.31D-03 J	NA 8.31D-03 J
309.2	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	5.50D-04 J	5.50D-04 J	5.50D-04 J
	NA 8.71D-03 J	NA 8.71D-03 J	NA 8.71D-03 J	NA 8.71D-03 J	NA 8.71D-03 J	NA 8.71D-03 J	NA 8.71D-03 J	NA 8.71D-03 J	NA 8.71D-03 J	NA 8.71D-03 J
309.3	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	5.76D-04 J	5.76D-04 J	5.76D-04 J
	NA 9.12D-03 J	NA 9.12D-03 J	NA 9.12D-03 J	NA 9.12D-03 J	NA 9.12D-03 J	NA 9.12D-03 J	NA 9.12D-03 J	NA 9.12D-03 J	NA 9.12D-03 J	NA 9.12D-03 J
309.4	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.03D-04 J	6.03D-04 J	6.03D-04 J
	NA 9.55D-03 J	NA 9.55D-03 J	NA 9.55D-03 J	NA 9.55D-03 J	NA 9.55D-03 J	NA 9.55D-03 J	NA 9.55D-03 J	NA 9.55D-03 J	NA 9.55D-03 J	NA 9.55D-03 J
309.5	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	7.00D-04 J	4.40D-04 J	6.31D-04 J	6.31D-04 J	6.31D-04 J
	NA 1.00D-02 J	NA 1.00D-02 J	NA 1.00D-02 J	NA 1.00D-02 J	NA 1.00D-02 J	NA 1.00D-02 J	NA 1.00D-02 J	NA 1.00D-02 J	NA 1.00D-02 J	NA 1.00D-02 J
309.6	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	6.61D-04 J	6.61D-04 J
	NA 1.05D-02 J	NA 1.05D-02 J	NA 1.05D-02 J	NA 1.05D-02 J	NA 1.05D-02 J	NA 1.05D-02 J	NA 1.05D-02 J	NA 1.05D-02 J	NA 1.05D-02 J	NA 1.05D-02 J
309.7	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	6.92D-04 J	6.92D-04 J
	NA 1.10D-02 J	NA 1.10D-02 J	NA 1.10D-02 J	NA 1.10D-02 J	NA 1.10D-02 J	NA 1.10D-02 J	NA 1.10D-02 J	NA 1.10D-02 J	NA 1.10D-02 J	NA 1.10D-02 J
309.8	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.25D-04 J	7.25D-04 J
	NA 1.15D-02 J	NA 1.15D-02 J	NA 1.15D-02 J	NA 1.15D-02 J	NA 1.15D-02 J	NA 1.15D-02 J	NA 1.15D-02 J	NA 1.15D-02 J	NA 1.15D-02 J	NA 1.15D-02 J
309.9	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.59D-04 J	7.59D-04 J
	NA 1.20D-02 J	NA 1.20D-02 J	NA 1.20D-02 J	NA 1.20D-02 J	NA 1.20D-02 J	NA 1.20D-02 J	NA 1.20D-02 J	NA 1.20D-02 J	NA 1.20D-02 J	NA 1.20D-02 J

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WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	⁻⁹ 10 ⁻¹⁰	⁻⁷ 5.0 X 10 ⁻⁷	⁻⁷ 1.0 X 10 ⁻⁶	⁻⁶ 5.0 X 10 ⁻⁶	⁻⁵ 1.0 X 10 ⁻⁵	⁻⁵ 5.0 X 10 ⁻⁵	⁻⁴ 1.0 X 10 ⁻⁴	⁻⁴ 5.0 X 10 ⁻⁴	⁻³ 1.0 X 10 ⁻³	
310.0	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.82D-04 J	
	NA	NA	NA	NA	NA	NA	NA	NA	NA	
310.1	1.26D-02 J	1.26D-02 J	1.26D-02 J	1.26D-02 J	1.26D-02 J	1.26D-02 J	1.26D-02 J	1.26D-02 J	1.26D-02 J	
	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.82D-04 J	
310.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1.32D-02 J	1.32D-02 J	1.32D-02 J	1.32D-02 J	1.32D-02 J	1.32D-02 J	1.32D-02 J	1.32D-02 J	1.32D-02 J	
310.3	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.82D-04 J	
	NA	NA	NA	NA	NA	NA	NA	NA	NA	
310.4	1.44D-02 J	1.44D-02 J	1.44D-02 J	1.44D-02 J	1.44D-02 J	1.44D-02 J	1.44D-02 J	1.44D-02 J	1.44D-02 J	
	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.82D-04 J	
310.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1.51D-02 J	1.51D-02 J	1.51D-02 J	1.51D-02 J	1.51D-02 J	1.51D-02 J	1.51D-02 J	1.51D-02 J	1.51D-02 J	
310.6	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.82D-04 J	
	NA	NA	NA	NA	NA	NA	NA	NA	NA	
310.7	1.66D-02 J	1.66D-02 J	1.66D-02 J	1.66D-02 J	1.66D-02 J	1.66D-02 J	1.66D-02 J	1.66D-02 J	1.66D-02 J	
	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.82D-04 J	
310.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1.74D-02 J	1.74D-02 J	1.74D-02 J	1.74D-02 J	1.74D-02 J	1.74D-02 J	1.74D-02 J	1.74D-02 J	1.74D-02 J	
310.9	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.82D-04 J	
	NA	NA	NA	NA	NA	NA	NA	NA	NA	
310.9	1.82D-02 J	1.82D-02 J	1.82D-02 J	1.82D-02 J	1.82D-02 J	1.82D-02 J	1.82D-02 J	1.82D-02 J	1.82D-02 J	
	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	4.40D-04 J	6.58D-04 J	7.82D-04 J	
310.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1.90D-02 J	1.90D-02 J	1.90D-02 J	1.90D-02 J	1.90D-02 J	1.90D-02 J	1.90D-02 J	1.90D-02 J	1.90D-02 J	

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	⁻⁹ 10 ⁻¹⁰	⁻⁷ 5.0 X 10 ⁻⁷	⁻⁶ 1.0 X 10 ⁻⁶	⁻⁶ 5.0 X 10 ⁻⁶	⁻⁵ 1.0 X 10 ⁻⁵	⁻⁵ 5.0 X 10 ⁻⁵	⁻⁴ 1.0 X 10 ⁻⁴	⁻⁴ 5.0 X 10 ⁻⁴	⁻³ 1.0 X 10 ⁻³
311.0	7.90D-05 J NA 1.99D-02 J	1.17D-04 J NA 1.99D-02 J	1.39D-04 J NA 1.99D-02 J	2.08D-04 J NA 1.99D-02 J	2.47D-04 J NA 1.99D-02 J	3.70D-04 J NA 1.99D-02 J	4.40D-04 J NA 1.99D-02 J	6.58D-04 J NA 1.99D-02 J	7.82D-04 J NA 1.99D-02 J
311.1	7.90D-05 J NA 2.09D-02 J	1.17D-04 J NA 2.09D-02 J	1.39D-04 J NA 2.09D-02 J	2.08D-04 J NA 2.09D-02 J	2.47D-04 J NA 2.09D-02 J	3.70D-04 J NA 2.09D-02 J	4.40D-04 J NA 2.09D-02 J	6.58D-04 J NA 2.09D-02 J	7.82D-04 J NA 2.09D-02 J
311.2	7.90D-05 J NA 2.19D-02 J	1.17D-04 J NA 2.19D-02 J	1.39D-04 J NA 2.19D-02 J	2.08D-04 J NA 2.19D-02 J	2.47D-04 J NA 2.19D-02 J	3.70D-04 J NA 2.19D-02 J	4.40D-04 J NA 2.19D-02 J	6.58D-04 J NA 2.19D-02 J	7.82D-04 J NA 2.19D-02 J
311.3	7.90D-05 J NA 2.29D-02 J	1.17D-04 J NA 2.29D-02 J	1.39D-04 J NA 2.29D-02 J	2.08D-04 J NA 2.29D-02 J	2.47D-04 J NA 2.29D-02 J	3.70D-04 J NA 2.29D-02 J	4.40D-04 J NA 2.29D-02 J	6.58D-04 J NA 2.29D-02 J	7.82D-04 J NA 2.29D-02 J
311.4	7.90D-05 J NA 2.40D-02 J	1.17D-04 J NA 2.40D-02 J	1.39D-04 J NA 2.40D-02 J	2.08D-04 J NA 2.40D-02 J	2.47D-04 J NA 2.40D-02 J	3.70D-04 J NA 2.40D-02 J	4.40D-04 J NA 2.40D-02 J	6.58D-04 J NA 2.40D-02 J	7.82D-04 J NA 2.40D-02 J
311.5	7.90D-05 J NA 2.51D-02 J	1.17D-04 J NA 2.51D-02 J	1.39D-04 J NA 2.51D-02 J	2.08D-04 J NA 2.51D-02 J	2.47D-04 J NA 2.51D-02 J	3.70D-04 J NA 2.51D-02 J	4.40D-04 J NA 2.51D-02 J	6.58D-04 J NA 2.51D-02 J	7.82D-04 J NA 2.51D-02 J
311.6	7.90D-05 J NA 2.63D-02 J	1.17D-04 J NA 2.63D-02 J	1.39D-04 J NA 2.63D-02 J	2.08D-04 J NA 2.63D-02 J	2.47D-04 J NA 2.63D-02 J	3.70D-04 J NA 2.63D-02 J	4.40D-04 J NA 2.63D-02 J	6.58D-04 J NA 2.63D-02 J	7.82D-04 J NA 2.63D-02 J
311.7	7.90D-05 J NA 2.75D-02 J	1.17D-04 J NA 2.75D-02 J	1.39D-04 J NA 2.75D-02 J	2.08D-04 J NA 2.75D-02 J	2.47D-04 J NA 2.75D-02 J	3.70D-04 J NA 2.75D-02 J	4.40D-04 J NA 2.75D-02 J	6.58D-04 J NA 2.75D-02 J	7.82D-04 J NA 2.75D-02 J
311.8	7.90D-05 J NA 2.88D-02 J	1.17D-04 J NA 2.88D-02 J	1.39D-04 J NA 2.88D-02 J	2.08D-04 J NA 2.88D-02 J	2.47D-04 J NA 2.88D-02 J	3.70D-04 J NA 2.88D-02 J	4.40D-04 J NA 2.88D-02 J	6.58D-04 J NA 2.88D-02 J	7.82D-04 J NA 2.88D-02 J
311.9	7.90D-05 J NA 3.02D-02 J	1.17D-04 J NA 3.02D-02 J	1.39D-04 J NA 3.02D-02 J	2.08D-04 J NA 3.02D-02 J	2.47D-04 J NA 3.02D-02 J	3.70D-04 J NA 3.02D-02 J	4.40D-04 J NA 3.02D-02 J	6.58D-04 J NA 3.02D-02 J	7.82D-04 J NA 3.02D-02 J

10

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	⁻⁹ 10 ⁻¹⁰	⁻⁷ 5.0 X 10 ⁻⁷	⁻⁷ 1.0 X 10 ⁻⁶	⁻⁶ 5.0 X 10 ⁻⁶	⁻⁶ 1.0 X 10 ⁻⁵	⁻⁵ 5.0 X 10 ⁻⁵	⁻⁵ 1.0 X 10 ⁻⁴	⁻⁴ 5.0 X 10 ⁻⁴	⁻⁴ 1.0 X 10 ⁻³
312.0	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	3.16D-02 J	3.16D-02 J	3.16D-02 J	3.16D-02 J	3.16D-02 J	3.16D-02 J	3.16D-02 J	3.16D-02 J	3.16D-02 J
312.1	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	3.31D-02 J	3.31D-02 J	3.31D-02 J	3.31D-02 J	3.31D-02 J	3.31D-02 J	3.31D-02 J	3.31D-02 J	3.31D-02 J
312.2	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	3.47D-02 J	3.47D-02 J	3.47D-02 J	3.47D-02 J	3.47D-02 J	3.47D-02 J	3.47D-02 J	3.47D-02 J	3.47D-02 J
312.3	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	3.63D-02 J	3.63D-02 J	3.63D-02 J	3.63D-02 J	3.63D-02 J	3.63D-02 J	3.63D-02 J	3.63D-02 J	3.63D-02 J
312.4	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	3.80D-02 J	3.80D-02 J	3.80D-02 J	3.80D-02 J	3.80D-02 J	3.80D-02 J	3.80D-02 J	3.80D-02 J	3.80D-02 J
312.5	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	3.98D-02 J	3.98D-02 J	3.98D-02 J	3.98D-02 J	3.98D-02 J	3.98D-02 J	3.98D-02 J	3.98D-02 J	3.98D-02 J
312.6	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	4.17D-02 J	4.17D-02 J	4.17D-02 J	4.17D-02 J	4.17D-02 J	4.17D-02 J	4.17D-02 J	4.17D-02 J	4.17D-02 J
312.7	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	4.36D-02 J	4.36D-02 J	4.36D-02 J	4.36D-02 J	4.36D-02 J	4.36D-02 J	4.36D-02 J	4.36D-02 J	4.36D-02 J
312.8	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	4.57D-02 J	4.57D-02 J	4.57D-02 J	4.57D-02 J	4.57D-02 J	4.57D-02 J	4.57D-02 J	4.57D-02 J	4.57D-02 J
312.9	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA
	4.78D-02 J	4.78D-02 J	4.78D-02 J	4.78D-02 J	4.78D-02 J	4.78D-02 J	4.78D-02 J	4.78D-02 J	4.78D-02 J

TABLE 2B

WAVELENGTH RANGE - 305 THRU 312.9

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS							
	5.0 X 10 ⁻³	1.0 X 10 ⁻²	5.0 X 10 ⁻²	1.0 X 10 ⁻¹	2.5 X 10 ⁻¹	>2.5 X 10 ⁻¹	-3.0 X 10 ⁴	>3.0 X 10 ⁴
305.0	7.95D-05 J	7.95D-05 J	7.95D-05 J	7.95D-05 J	7.95D-05 J	7.95D-05 J	7.95D-05 J	2.65D-09 W
	NA	NA	NA	NA	NA	NA	NA	NA
305.1	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	4.97D-03 W	4.97D-03 W
	8.32D-05 J	8.32D-05 J	8.32D-05 J	8.32D-05 J	8.32D-05 J	8.32D-05 J	8.32D-05 J	2.77D-09 W
305.2	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	5.20D-03 W	5.20D-03 W
	8.71D-05 J	8.71D-05 J	8.71D-05 J	8.71D-05 J	8.71D-05 J	8.71D-05 J	8.71D-05 J	2.90D-09 W
305.3	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	5.45D-03 W	5.45D-03 W
	9.12D-05 J	9.12D-05 J	9.12D-05 J	9.12D-05 J	9.12D-05 J	9.12D-05 J	9.12D-05 J	3.04D-09 W
305.4	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J	1.44D-03 J	5.70D-03 W	5.70D-03 W
	9.55D-05 J	9.55D-05 J	9.55D-05 J	9.55D-05 J	9.55D-05 J	9.55D-05 J	9.55D-05 J	3.18D-09 W
305.5	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	5.97D-03 W	5.97D-03 W
	1.00D-04 J	1.00D-04 J	1.00D-04 J	1.00D-04 J	1.00D-04 J	1.00D-04 J	1.00D-04 J	3.33D-09 W
305.6	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J	1.58D-03 J	6.25D-03 W	6.25D-03 W
	1.05D-04 J	1.05D-04 J	1.05D-04 J	1.05D-04 J	1.05D-04 J	1.05D-04 J	1.05D-04 J	3.49D-09 W
305.7	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	6.55D-03 W	6.55D-03 W
	1.10D-04 J	1.10D-04 J	1.10D-04 J	1.10D-04 J	1.10D-04 J	1.10D-04 J	1.10D-04 J	3.66D-09 W
305.8	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	6.86D-03 W	6.86D-03 W
	1.15D-04 J	1.15D-04 J	1.15D-04 J	1.15D-04 J	1.15D-04 J	1.15D-04 J	1.15D-04 J	3.83D-09 W
305.9	1.82D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J	7.18D-03 W	7.18D-03 W
	1.20D-04 J	1.20D-04 J	1.20D-04 J	1.20D-04 J	1.20D-04 J	1.20D-04 J	1.20D-04 J	4.01D-09 W
	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J	1.90D-03 J	7.52D-03 W	7.52D-03 W

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	5.0 X 10 ⁻³	1.0 X 10 ⁻²	5.0 X 10 ⁻²	1.0 X 10 ⁻¹	2.5 X 10 ⁻¹	>2.5 X 10 ⁻¹	-3.0 X 10 ⁴	>3.0 X 10 ⁴
306.0	1.26D-04 J	1.26D-04 J	1.26D-04 J	1.26D-04 J	1.26D-04 J	1.26D-04 J	4.20D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.1	1.99D-03 J	1.99D-03 J	1.99D-03 J	1.99D-03 J	1.99D-03 J	7.87D-03 W	7.87D-03 W	
	NA	NA	NA	NA	NA	NA	NA	
306.2	1.32D-04 J	1.32D-04 J	1.32D-04 J	1.32D-04 J	1.32D-04 J	1.32D-04 J	4.40D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.3	2.09D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J	8.24D-03 W	8.24D-03 W	
	NA	NA	NA	NA	NA	NA	NA	
306.4	1.38D-04 J	1.38D-04 J	1.38D-04 J	1.38D-04 J	1.38D-04 J	1.38D-04 J	4.60D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.5	2.19D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J	8.63D-03 W	8.63D-03 W	
	NA	NA	NA	NA	NA	NA	NA	
306.6	1.45D-04 J	1.45D-04 J	1.45D-04 J	1.45D-04 J	1.45D-04 J	1.45D-04 J	4.82D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.7	2.29D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J	9.04D-03 W	9.04D-03 W	
	NA	NA	NA	NA	NA	NA	NA	
306.8	1.51D-04 J	1.51D-04 J	1.51D-04 J	1.51D-04 J	1.51D-04 J	1.51D-04 J	5.05D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.9	2.40D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J	9.46D-03 W	9.46D-03 W	
	NA	NA	NA	NA	NA	NA	NA	
306.0	1.59D-04 J	1.59D-04 J	1.59D-04 J	1.59D-04 J	1.59D-04 J	1.59D-04 J	5.29D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.1	2.51D-03 J	2.51D-03 J	2.51D-03 J	2.51D-03 J	2.51D-03 J	9.91D-03 W	9.91D-03 W	
	NA	NA	NA	NA	NA	NA	NA	
306.2	1.66D-04 J	1.66D-04 J	1.66D-04 J	1.66D-04 J	1.66D-04 J	1.66D-04 J	5.53D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.3	2.63D-03 J	2.63D-03 J	2.63D-03 J	2.63D-03 J	2.63D-03 J	1.04D-02 W	1.04D-02 W	
	NA	NA	NA	NA	NA	NA	NA	
306.4	1.74D-04 J	1.74D-04 J	1.74D-04 J	1.74D-04 J	1.74D-04 J	1.74D-04 J	5.80D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.5	2.75D-03 J	2.75D-03 J	2.75D-03 J	2.75D-03 J	2.75D-03 J	1.09D-02 W	1.09D-02 W	
	NA	NA	NA	NA	NA	NA	NA	
306.6	1.82D-04 J	1.82D-04 J	1.82D-04 J	1.82D-04 J	1.82D-04 J	1.82D-04 J	6.07D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.7	2.88D-03 J	2.88D-03 J	2.88D-03 J	2.88D-03 J	2.88D-03 J	1.14D-02 W	1.14D-02 W	
	NA	NA	NA	NA	NA	NA	NA	
306.8	1.91D-04 J	1.91D-04 J	1.91D-04 J	1.91D-04 J	1.91D-04 J	1.91D-04 J	6.35D-09 W	
	NA	NA	NA	NA	NA	NA	NA	
306.9	3.02D-03 J	3.02D-03 J	3.02D-03 J	3.02D-03 J	3.02D-03 J	1.19D-02 W	1.19D-02 W	
	NA	NA	NA	NA	NA	NA	NA	

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS							
	5.0 X 10 ⁻³	1.0 X 10 ⁻²	5.0 X 10 ⁻²	1.0 X 10 ⁻¹	2.5 X 10 ⁻¹	>2.5 X 10 ⁻¹	3.0 X 10 ⁴	>3.0 X 10 ⁴
307.0	2.00D-04 J	2.00D-04 J	2.00D-04 J	2.00D-04 J	2.00D-04 J	2.00D-04 J	2.00D-04 J	6.65D-09 W
	NA	NA	NA	NA	NA	NA	NA	NA
307.1	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	1.25D-02 W	1.25D-02 W
	2.09D-04 J	2.09D-04 J	2.09D-04 J	2.09D-04 J	2.09D-04 J	2.09D-04 J	2.09D-04 J	6.97D-09 W
307.2	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	1.31D-02 W	1.31D-02 W
	2.19D-04 J	2.19D-04 J	2.19D-04 J	2.19D-04 J	2.19D-04 J	2.19D-04 J	2.19D-04 J	7.30D-09 W
307.3	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	1.37D-02 W	1.37D-02 W
	2.29D-04 J	2.29D-04 J	2.29D-04 J	2.29D-04 J	2.29D-04 J	2.29D-04 J	2.29D-04 J	7.64D-09 W
307.4	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	1.43D-02 W	1.43D-02 W
	2.40D-04 J	2.40D-04 J	2.40D-04 J	2.40D-04 J	2.40D-04 J	2.40D-04 J	2.40D-04 J	8.00D-09 W
307.5	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	1.50D-02 W	1.50D-02 W
	2.51D-04 J	2.51D-04 J	2.51D-04 J	2.51D-04 J	2.51D-04 J	2.51D-04 J	2.51D-04 J	8.38D-09 W
307.6	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	1.57D-02 W	1.57D-02 W
	2.63D-04 J	2.63D-04 J	2.63D-04 J	2.63D-04 J	2.63D-04 J	2.63D-04 J	2.63D-04 J	8.77D-09 W
307.7	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	1.64D-02 W	1.64D-02 W
	2.76D-04 J	2.76D-04 J	2.76D-04 J	2.76D-04 J	2.76D-04 J	2.76D-04 J	2.76D-04 J	9.19D-09 W
307.8	4.36D-03 J	4.36D-03 J	4.36D-03 J	4.36D-03 J	4.36D-03 J	4.36D-03 J	1.72D-02 W	1.72D-02 W
	2.89D-04 J	2.89D-04 J	2.89D-04 J	2.89D-04 J	2.89D-04 J	2.89D-04 J	2.89D-04 J	9.62D-09 W
307.9	4.57D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J	1.80D-02 W	1.80D-02 W
	3.02D-04 J	3.02D-04 J	3.02D-04 J	3.02D-04 J	3.02D-04 J	3.02D-04 J	3.02D-04 J	1.01D-08 W
	4.78D-03 J	4.78D-03 J	4.78D-03 J	4.78D-03 J	4.78D-03 J	4.78D-03 J	1.89D-02 W	1.89D-02 W

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS							
	5.0 X 10 ⁻³	1.0 X 10 ⁻²	5.0 X 10 ⁻²	1.0 X 10 ⁻¹	2.5 X 10 ⁻¹	>2.5 X 10 ⁻¹	-3.0 X 10 ⁴	>3.0 X 10 ⁴
308.0	3.16D-04 J	3.16D-04 J	3.16D-04 J	3.16D-04 J	3.16D-04 J	3.16D-04 J	3.16D-04 J	1.05D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
308.1	5.01D-03 J	5.01D-03 J	5.01D-03 J	5.01D-03 J	5.01D-03 J	5.01D-03 J	1.98D-02 W	1.98D-02 W
	3.31D-04 J	3.31D-04 J	3.31D-04 J	3.31D-04 J	3.31D-04 J	3.31D-04 J	3.31D-04 J	1.10D-08 W
308.2	5.25D-03 J	5.25D-03 J	5.25D-03 J	5.25D-03 J	5.25D-03 J	5.25D-03 J	2.07D-02 W	2.07D-02 W
	3.47D-04 J	3.47D-04 J	3.47D-04 J	3.47D-04 J	3.47D-04 J	3.47D-04 J	3.47D-04 J	1.16D-08 W
308.3	5.49D-03 J	5.49D-03 J	5.49D-03 J	5.49D-03 J	5.49D-03 J	5.49D-03 J	2.17D-02 W	2.17D-02 W
	3.63D-04 J	3.63D-04 J	3.63D-04 J	3.63D-04 J	3.63D-04 J	3.63D-04 J	3.63D-04 J	1.21D-08 W
308.4	5.75D-03 J	5.75D-03 J	5.75D-03 J	5.75D-03 J	5.75D-03 J	5.75D-03 J	2.27D-02 W	2.27D-02 W
	3.80D-04 J	3.80D-04 J	3.80D-04 J	3.80D-04 J	3.80D-04 J	3.80D-04 J	3.80D-04 J	1.27D-08 W
308.5	6.02D-03 J	6.02D-03 J	6.02D-03 J	6.02D-03 J	6.02D-03 J	6.02D-03 J	2.38D-02 W	2.38D-02 W
	3.98D-04 J	3.98D-04 J	3.98D-04 J	3.98D-04 J	3.98D-04 J	3.98D-04 J	3.98D-04 J	1.33D-08 W
308.6	6.31D-03 J	6.31D-03 J	6.31D-03 J	6.31D-03 J	6.31D-03 J	6.31D-03 J	2.49D-02 W	2.49D-02 W
	4.17D-04 J	4.17D-04 J	4.17D-04 J	4.17D-04 J	4.17D-04 J	4.17D-04 J	4.17D-04 J	1.39D-08 W
308.7	6.60D-03 J	6.60D-03 J	6.60D-03 J	6.60D-03 J	6.60D-03 J	6.60D-03 J	2.61D-02 W	2.61D-02 W
	4.37D-04 J	4.37D-04 J	4.37D-04 J	4.37D-04 J	4.37D-04 J	4.37D-04 J	4.37D-04 J	1.46D-08 W
308.8	6.91D-03 J	6.91D-03 J	6.91D-03 J	6.91D-03 J	6.91D-03 J	6.91D-03 J	2.73D-02 W	2.73D-02 W
	4.57D-04 J	4.57D-04 J	4.57D-04 J	4.57D-04 J	4.57D-04 J	4.57D-04 J	4.57D-04 J	1.52D-08 W
308.9	7.24D-03 J	7.24D-03 J	7.24D-03 J	7.24D-03 J	7.24D-03 J	7.24D-03 J	2.86D-02 W	2.86D-02 W
	4.79D-04 J	4.79D-04 J	4.79D-04 J	4.79D-04 J	4.79D-04 J	4.79D-04 J	4.79D-04 J	1.60D-08 W
	7.58D-03 J	7.58D-03 J	7.58D-03 J	7.58D-03 J	7.58D-03 J	7.58D-03 J	2.99D-02 W	2.99D-02 W

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS							
	5.0 X 10 ⁻³	1.0 X 10 ⁻²	5.0 X 10 ⁻²	1.0 X 10 ⁻¹	2.5 X 10 ⁻¹	>2.5 X 10 ⁻¹	-3.0 X 10 ⁴	>3.0 X 10 ⁴
309.0	5.01D-04 J	5.01D-04 J	5.01D-04 J	5.01D-04 J	5.01D-04 J	5.01D-04 J	5.01D-04 J	1.67D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
309.1	7.94D-03 J	7.94D-03 J	7.94D-03 J	7.94D-03 J	7.94D-03 J	7.94D-03 J	3.13D-02 W	3.13D-02 W
	5.25D-04 J	5.25D-04 J	5.25D-04 J	5.25D-04 J	5.25D-04 J	5.25D-04 J	5.25D-04 J	1.75D-08 W
309.2	8.31D-03 J	8.31D-03 J	8.31D-03 J	8.31D-03 J	8.31D-03 J	8.31D-03 J	3.28D-02 W	3.28D-02 W
	5.50D-04 J	5.50D-04 J	5.50D-04 J	5.50D-04 J	5.50D-04 J	5.50D-04 J	5.50D-04 J	1.83D-08 W
309.3	8.71D-03 J	8.71D-03 J	8.71D-03 J	8.71D-03 J	8.71D-03 J	8.71D-03 J	3.44D-02 W	3.44D-02 W
	5.76D-04 J	5.76D-04 J	5.76D-04 J	5.76D-04 J	5.76D-04 J	5.76D-04 J	5.76D-04 J	1.92D-08 W
309.4	9.12D-03 J	9.12D-03 J	9.12D-03 J	9.12D-03 J	9.12D-03 J	9.12D-03 J	3.60D-02 W	3.60D-02 W
	6.03D-04 J	6.03D-04 J	6.03D-04 J	6.03D-04 J	6.03D-04 J	6.03D-04 J	6.03D-04 J	2.01D-08 W
309.5	9.55D-03 J	9.55D-03 J	9.55D-03 J	9.55D-03 J	9.55D-03 J	9.55D-03 J	3.77D-02 W	3.77D-02 W
	6.31D-04 J	6.31D-04 J	6.31D-04 J	6.31D-04 J	6.31D-04 J	6.31D-04 J	6.31D-04 J	2.10D-08 W
309.6	1.00D-02 J	1.00D-02 J	1.00D-02 J	1.00D-02 J	1.00D-02 J	1.00D-02 J	3.95D-02 W	3.95D-02 W
	6.61D-04 J	6.61D-04 J	6.61D-04 J	6.61D-04 J	6.61D-04 J	6.61D-04 J	6.61D-04 J	2.20D-08 W
309.7	1.05D-02 J	1.05D-02 J	1.05D-02 J	1.05D-02 J	1.05D-02 J	1.05D-02 J	4.13D-02 W	4.13D-02 W
	6.92D-04 J	6.92D-04 J	6.92D-04 J	6.92D-04 J	6.92D-04 J	6.92D-04 J	6.92D-04 J	2.31D-08 W
309.8	1.10D-02 J	1.10D-02 J	1.10D-02 J	1.10D-02 J	1.10D-02 J	1.10D-02 J	4.33D-02 W	4.33D-02 W
	7.25D-04 J	7.25D-04 J	7.25D-04 J	7.25D-04 J	7.25D-04 J	7.25D-04 J	7.25D-04 J	2.42D-08 W
309.9	1.15D-02 J	1.15D-02 J	1.15D-02 J	1.15D-02 J	1.15D-02 J	1.15D-02 J	4.53D-02 W	4.53D-02 W
	7.59D-04 J	7.59D-04 J	7.59D-04 J	7.59D-04 J	7.59D-04 J	7.59D-04 J	7.59D-04 J	2.53D-08 W
	1.20D-02 J	1.20D-02 J	1.20D-02 J	1.20D-02 J	1.20D-02 J	1.20D-02 J	4.74D-02 W	4.74D-02 W

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS							
	5.0 X 10 ⁻³	1.0 X 10 ⁻²	5.0 X 10 ⁻²	1.0 X 10 ⁻¹	2.5 X 10 ⁻¹	>2.5 X 10 ⁻¹	-3.0 X 10 ⁴	>3.0 X 10 ⁴
310.0	7.95D-04 J	7.95D-04 J	7.95D-04 J	7.95D-04 J	7.95D-04 J	7.95D-04 J	7.95D-04 J	2.65D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.1	1.26D-02 J	1.26D-02 J	1.26D-02 J	1.26D-02 J	1.26D-02 J	1.26D-02 J	4.97D-02 W	4.97D-02 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.2	8.71D-04 J	8.71D-04 J	8.71D-04 J	8.71D-04 J	8.71D-04 J	8.71D-04 J	8.71D-04 J	2.90D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.3	9.12D-04 J	9.12D-04 J	9.12D-04 J	9.12D-04 J	9.12D-04 J	9.12D-04 J	9.12D-04 J	3.04D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.4	1.44D-02 J	1.44D-02 J	1.44D-02 J	1.44D-02 J	1.44D-02 J	1.44D-02 J	5.70D-02 W	5.70D-02 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.5	9.55D-04 J	9.55D-04 J	9.55D-04 J	9.55D-04 J	9.55D-04 J	9.55D-04 J	9.55D-04 J	3.18D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.6	1.51D-02 J	1.51D-02 J	1.51D-02 J	1.51D-02 J	1.51D-02 J	1.51D-02 J	5.97D-02 W	5.97D-02 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.7	1.00D-03 J	1.00D-03 J	1.00D-03 J	1.00D-03 J	1.00D-03 J	1.00D-03 J	1.00D-03 J	3.33D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.8	1.58D-02 J	1.58D-02 J	1.58D-02 J	1.58D-02 J	1.58D-02 J	1.58D-02 J	6.25D-02 W	6.25D-02 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.9	1.05D-03 J	1.05D-03 J	1.05D-03 J	1.05D-03 J	1.05D-03 J	1.05D-03 J	1.05D-03 J	3.49D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.0	1.66D-02 J	1.66D-02 J	1.66D-02 J	1.66D-02 J	1.66D-02 J	1.66D-02 J	6.55D-02 W	6.55D-02 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.1	1.10D-03 J	1.10D-03 J	1.10D-03 J	1.10D-03 J	1.10D-03 J	1.10D-03 J	1.10D-03 J	3.66D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.2	1.74D-02 J	1.74D-02 J	1.74D-02 J	1.74D-02 J	1.74D-02 J	1.74D-02 J	6.86D-02 W	6.86D-02 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.3	1.15D-03 J	1.15D-03 J	1.15D-03 J	1.15D-03 J	1.15D-03 J	1.15D-03 J	1.15D-03 J	3.83D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.4	1.82D-02 J	1.82D-02 J	1.82D-02 J	1.82D-02 J	1.82D-02 J	1.82D-02 J	7.18D-02 W	7.18D-02 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.5	1.17D-03 J	1.20D-03 J	1.20D-03 J	1.20D-03 J	1.20D-03 J	1.20D-03 J	1.20D-03 J	4.01D-08 W
	NA	NA	NA	NA	NA	NA	NA	NA
310.6	1.90D-02 J	1.90D-02 J	1.90D-02 J	1.90D-02 J	1.90D-02 J	1.90D-02 J	7.52D-02 W	7.52D-02 W
	NA	NA	NA	NA	NA	NA	NA	NA

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS								
	5.0 X 10 ⁻³	1.0 X 10 ⁻²	5.0 X 10 ⁻²	1.0 X 10 ⁻¹	2.5 X 10 ⁻¹	>2.5 X 10 ⁻¹	-3.0 X 10 ⁴	>3.0 X 10 ⁴	
311.0	1.17D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	1.26D-03 J	4.20D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	1.99D-02 J	1.99D-02 J	1.99D-02 J	1.99D-02 J	1.99D-02 J	1.99D-02 J	7.87D-02 W	7.87D-02 W	
311.1	1.17D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	1.32D-03 J	4.40D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	2.09D-02 J	2.09D-02 J	2.09D-02 J	2.09D-02 J	2.09D-02 J	2.09D-02 J	8.24D-02 W	8.24D-02 W	
311.2	1.17D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	1.38D-03 J	4.60D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	2.19D-02 J	2.19D-02 J	2.19D-02 J	2.19D-02 J	2.19D-02 J	2.19D-02 J	8.63D-02 W	8.63D-02 W	
311.3	1.17D-03 J	1.39D-03 J	1.45D-03 J	1.45D-03 J	1.45D-03 J	1.45D-03 J	1.45D-03 J	4.82D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	2.29D-02 J	2.29D-02 J	2.29D-02 J	2.29D-02 J	2.29D-02 J	2.29D-02 J	9.04D-02 W	9.04D-02 W	
311.4	1.17D-03 J	1.39D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	1.51D-03 J	5.05D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	2.40D-02 J	2.40D-02 J	2.40D-02 J	2.40D-02 J	2.40D-02 J	2.40D-02 J	9.46D-02 W	9.46D-02 W	
311.5	1.17D-03 J	1.39D-03 J	1.59D-03 J	1.59D-03 J	1.59D-03 J	1.59D-03 J	1.59D-03 J	5.29D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	2.51D-02 J	2.51D-02 J	2.51D-02 J	2.51D-02 J	2.51D-02 J	2.51D-02 J	9.91D-02 W	9.91D-02 W	
311.6	1.17D-03 J	1.39D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	1.66D-03 J	5.53D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	2.63D-02 J	2.63D-02 J	2.63D-02 J	2.63D-02 J	2.63D-02 J	2.63D-02 J	1.04D-01 W	1.04D-01 W	
311.7	1.17D-03 J	1.39D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	1.74D-03 J	5.80D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	2.75D-02 J	2.75D-02 J	2.75D-02 J	2.75D-02 J	2.75D-02 J	2.75D-02 J	1.09D-01 W	1.09D-01 W	
311.8	1.17D-03 J	1.39D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J	1.82D-03 J	6.07D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	2.88D-02 J	2.88D-02 J	2.88D-02 J	2.88D-02 J	2.88D-02 J	2.88D-02 J	1.14D-01 W	1.14D-01 W	
311.9	1.17D-03 J	1.39D-03 J	1.91D-03 J	1.91D-03 J	1.91D-03 J	1.91D-03 J	1.91D-03 J	6.35D-08 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
	3.02D-02 J	3.02D-02 J	3.02D-02 J	3.02D-02 J	3.02D-02 J	3.02D-02 J	1.19D-01 W	1.19D-01 W	

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS							
	5.0 X 10 ⁻³	1.0 X 10 ⁻²	5.0 X 10 ⁻²	1.0 X 10 ⁻¹	2.5 X 10 ⁻¹	>2.5 X 10 ⁻¹	-3.0 X 10 ⁴	>3.0 X 10 ⁴
312.0	1.17D-03 J	1.39D-03 J	2.00D-03 J	2.00D-03 J	2.00D-03 J	2.00D-03 J	6.65D-08 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.1	3.16D-02 J	3.16D-02 J	3.16D-02 J	3.16D-02 J	3.16D-02 J	1.25D-01 W	1.25D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.2	1.17D-03 J	1.39D-03 J	2.08D-03 J	2.09D-03 J	2.09D-03 J	2.09D-03 J	6.97D-08 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.3	3.31D-02 J	3.31D-02 J	3.31D-02 J	3.31D-02 J	3.31D-02 J	1.31D-01 W	1.31D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.4	1.17D-03 J	1.39D-03 J	2.08D-03 J	2.19D-03 J	2.19D-03 J	2.19D-03 J	7.30D-08 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.5	3.47D-02 J	3.47D-02 J	3.47D-02 J	3.47D-02 J	3.47D-02 J	1.37D-01 W	1.37D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.6	1.17D-03 J	1.39D-03 J	2.08D-03 J	2.29D-03 J	2.29D-03 J	2.29D-03 J	7.64D-08 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.7	3.63D-02 J	3.63D-02 J	3.63D-02 J	3.63D-02 J	3.63D-02 J	1.43D-01 W	1.43D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.8	1.17D-03 J	1.39D-03 J	2.08D-03 J	2.40D-03 J	2.40D-03 J	2.40D-03 J	8.00D-08 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.9	3.80D-02 J	3.80D-02 J	3.80D-02 J	3.80D-02 J	3.80D-02 J	1.50D-01 W	1.50D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.0	1.17D-03 J	1.39D-03 J	2.08D-03 J	2.47D-03 J	2.51D-03 J	2.51D-03 J	8.38D-08 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.1	3.98D-02 J	3.98D-02 J	3.98D-02 J	3.98D-02 J	3.98D-02 J	1.57D-01 W	1.57D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.2	1.17D-03 J	1.39D-03 J	2.08D-03 J	2.47D-03 J	2.63D-03 J	2.63D-03 J	8.77D-08 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.3	4.17D-02 J	4.17D-02 J	4.17D-02 J	4.17D-02 J	4.17D-02 J	1.64D-01 W	1.64D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.4	1.17D-03 J	1.39D-03 J	2.08D-03 J	2.47D-03 J	2.76D-03 J	2.76D-03 J	9.19D-08 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.5	4.36D-02 J	4.36D-02 J	4.36D-02 J	4.36D-02 J	4.36D-02 J	1.72D-01 W	1.72D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.6	1.17D-03 J	1.39D-03 J	2.08D-03 J	2.47D-03 J	2.89D-03 J	2.89D-03 J	9.62D-08 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.7	4.57D-02 J	4.57D-02 J	4.57D-02 J	4.57D-02 J	4.57D-02 J	1.80D-01 W	1.80D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.8	1.17D-03 J	1.39D-03 J	2.08D-03 J	2.47D-03 J	3.02D-03 J	3.02D-03 J	1.01D-07 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA
312.9	4.78D-02 J	4.78D-02 J	4.78D-02 J	4.78D-02 J	4.78D-02 J	1.89D-01 W	1.89D-01 W	NA
	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3A

WAVELENGTH RANGE - 313 THRU 400

SAMPLING INTERVAL IN SECONDS

WAVELENGTH IN NANOMETERS	⁻⁹ 10		⁻⁷ 5.0 X 10		⁻⁶ 1.0 X 10		⁻⁶ 5.0 X 10		⁻⁵ 1.0 X 10		⁻⁵ 5.0 X 10	
	⁻¹⁰	⁻⁷	⁻⁷	⁻⁷	⁻⁶	⁻⁶	⁻⁶	⁻⁶	⁻⁵	⁻⁵	⁻⁵	⁻⁵
313.0	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J
313.1	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J
313.2	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J
313.3	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J
313.4	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J
313.5	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J
313.6	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J
313.7	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J
313.8	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	7.24D-02 J	7.24D-02 J	7.24D-02 J	7.24D-02 J	7.24D-02 J	7.24D-02 J	7.24D-02 J	7.24D-02 J	7.24D-02 J	7.24D-02 J	7.24D-02 J	7.24D-02 J
313.9	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	7.58D-02 J	7.58D-02 J	7.58D-02 J	7.58D-02 J	7.58D-02 J	7.58D-02 J	7.58D-02 J	7.58D-02 J	7.58D-02 J	7.58D-02 J	7.58D-02 J	7.58D-02 J
314.0	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	7.94D-02 J	7.94D-02 J	7.94D-02 J	7.94D-02 J	7.94D-02 J	7.94D-02 J	7.94D-02 J	7.94D-02 J	7.94D-02 J	7.94D-02 J	7.94D-02 J	7.94D-02 J
314.1	7.90D-05 J	1.17D-04 J	1.39D-04 J	2.08D-04 J	2.47D-04 J	3.70D-04 J	NA	NA	NA	NA	NA	NA
	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J

TABLE 3B

WAVELENGTH RANGE - 313 THRU 400

SAMPLING INTERVAL IN SECONDS

WAVELENGTH IN NANOMETERS	⁻⁴		⁻³		⁻²	
	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10
313.0	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
	NA	NA	NA	NA	NA	NA
313.1	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J	5.01D-02 J
	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
313.2	NA	NA	NA	NA	NA	NA
	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J	5.25D-02 J
313.3	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
	NA	NA	NA	NA	NA	NA
313.4	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J	5.49D-02 J
	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
313.5	NA	NA	NA	NA	NA	NA
	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J	5.75D-02 J
313.6	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
	NA	NA	NA	NA	NA	NA
313.7	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J	6.02D-02 J
	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
313.8	NA	NA	NA	NA	NA	NA
	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J	6.31D-02 J
313.9	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
	NA	NA	NA	NA	NA	NA
314.0	5.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J	6.60D-02 J
	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
314.1	NA	NA	NA	NA	NA	NA
	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J	6.91D-02 J
314.1	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
	NA	NA	NA	NA	NA	NA
314.1	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J
	4.40D-04 J	6.58D-04 J	7.82D-04 J	1.17D-03 J	1.39D-03 J	2.08D-03 J
314.1	NA	NA	NA	NA	NA	NA
	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J	8.31D-02 J

TABLE 3C

WAVELENGTH RANGE - 313 THRU 400

SAMPLING INTERVAL IN SECONDS

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS							
	1.0×10^{-1}	2.5×10^{-1}	5.0×10^{-1}	1.0×10^0	1.0×10^1	1.0×10^1	$1.0 \times 10^1 - 3.0 \times 10^4$	$>3.0 \times 10^4$
313.0	2.47D-03 J	3.11D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	3.16D-03 J	1.05D-07 W
	NA	NA	NA	NA	NA	NA	NA	NA
313.1	5.01D-02 J	5.01D-02 J	1.98D-01 W	1.98D-01 W	1.98D-01 W	1.98D-01 W	1.98D-01 W	1.98D-01 W
	2.47D-03 J	3.11D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	3.31D-03 J	1.10D-07 W
313.2	NA	NA	NA	NA	NA	NA	NA	NA
	5.25D-02 J	5.25D-02 J	2.07D-01 W	2.07D-01 W	2.07D-01 W	2.07D-01 W	2.07D-01 W	2.07D-01 W
313.3	2.47D-03 J	3.11D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	3.47D-03 J	1.16D-07 W
	NA	NA	NA	NA	NA	NA	NA	NA
313.4	5.49D-02 J	5.49D-02 J	2.17D-01 W	2.17D-01 W	2.17D-01 W	2.17D-01 W	2.17D-01 W	2.17D-01 W
	2.47D-03 J	3.11D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	3.63D-03 J	1.21D-07 W
313.5	NA	NA	NA	NA	NA	NA	NA	NA
	5.75D-02 J	5.75D-02 J	2.27D-01 W	2.27D-01 W	2.27D-01 W	2.27D-01 W	2.27D-01 W	2.27D-01 W
313.6	2.47D-03 J	3.11D-03 J	3.70D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	3.80D-03 J	1.27D-07 W
	NA	NA	NA	NA	NA	NA	NA	NA
313.7	6.02D-02 J	6.02D-02 J	2.38D-01 W	2.38D-01 W	2.38D-01 W	2.38D-01 W	2.38D-01 W	2.38D-01 W
	2.47D-03 J	3.11D-03 J	3.70D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	3.98D-03 J	1.33D-07 W
313.8	NA	NA	NA	NA	NA	NA	NA	NA
	6.31D-02 J	6.31D-02 J	2.49D-01 W	2.49D-01 W	2.49D-01 W	2.49D-01 W	2.49D-01 W	2.49D-01 W
313.9	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	4.17D-03 J	1.39D-07 W
	NA	NA	NA	NA	NA	NA	NA	NA
314.0	6.60D-02 J	6.60D-02 J	2.61D-01 W	2.61D-01 W	2.61D-01 W	2.61D-01 W	2.61D-01 W	2.61D-01 W
	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.37D-03 J	4.37D-03 J	4.37D-03 J	4.37D-03 J	1.46D-07 W
314.1	NA	NA	NA	NA	NA	NA	NA	NA
	6.91D-02 J	6.91D-02 J	2.73D-01 W	2.73D-01 W	2.73D-01 W	2.73D-01 W	2.73D-01 W	2.73D-01 W
314.2	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	4.57D-03 J	4.57D-03 J	4.57D-03 J	1.52D-07 W
	NA	NA	NA	NA	NA	NA	NA	NA
314.3	7.24D-02 J	7.24D-02 J	2.86D-01 W	2.86D-01 W	2.86D-01 W	2.86D-01 W	2.86D-01 W	2.86D-01 W
	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	4.79D-03 J	4.79D-03 J	4.79D-03 J	1.60D-07 W
314.4	NA	NA	NA	NA	NA	NA	NA	NA
	7.58D-02 J	7.58D-02 J	2.99D-01 W	2.99D-01 W	2.99D-01 W	2.99D-01 W	2.99D-01 W	2.99D-01 W
314.5	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	5.01D-03 J	5.01D-03 J	5.01D-03 J	1.67D-07 W
	NA	NA	NA	NA	NA	NA	NA	NA
314.6	7.94D-02 J	7.94D-02 J	3.13D-01 W	3.13D-01 W	3.13D-01 W	3.13D-01 W	3.13D-01 W	3.13D-01 W
	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	5.25D-03 J	5.25D-03 J	5.25D-03 J	1.75D-07 W
314.7	NA	NA	NA	NA	NA	NA	NA	NA
	8.31D-02 J	8.31D-02 J	3.28D-01 W	3.28D-01 W	3.28D-01 W	3.28D-01 W	3.28D-01 W	3.28D-01 W

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS							
	1.0×10^{-1}	2.5×10^{-1}	5.0×10^{-1}	1.0×10^0	1.0×10^1	1.0×10^1	3.0×10^4	3.0×10^4
314.2	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	5.50D-03 J	5.50D-03 J	1.83D-07 W	
	NA	NA	NA	NA	NA	NA	NA	
	8.71D-02 J	8.71D-02 J	3.44D-01 W	3.44D-01 W	3.44D-01 W	3.44D-01 W	3.44D-01 W	
314.3	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	5.76D-03 J	5.76D-03 J	1.92D-07 W	
	NA	NA	NA	NA	NA	NA	NA	
	9.12D-02 J	9.12D-02 J	3.60D-01 W	3.60D-01 W	3.60D-01 W	3.60D-01 W	3.60D-01 W	
314.4	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	6.03D-03 J	6.03D-03 J	2.01D-07 W	
	NA	NA	NA	NA	NA	NA	NA	
	9.55D-02 J	9.55D-02 J	3.77D-01 W	3.77D-01 W	3.77D-01 W	3.77D-01 W	3.77D-01 W	
314.5	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	6.31D-03 J	6.31D-03 J	2.10D-07 W	
	NA	NA	NA	NA	NA	NA	NA	
	1.00D-01 J	1.00D-01 J	3.95D-01 W	3.95D-01 W	3.95D-01 W	3.95D-01 W	3.95D-01 W	
314.6	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	6.61D-03 J	6.61D-03 J	2.20D-07 W	
	NA	NA	NA	NA	NA	NA	NA	
	1.05D-01 J	1.05D-01 J	4.13D-01 W	4.13D-01 W	4.13D-01 W	4.13D-01 W	4.13D-01 W	
314.7	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	6.92D-03 J	6.92D-03 J	2.31D-07 W	
	NA	NA	NA	NA	NA	NA	NA	
	1.10D-01 J	1.10D-01 J	4.33D-01 W	4.33D-01 W	4.33D-01 W	4.33D-01 W	4.33D-01 W	
314.8	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	7.25D-03 J	7.25D-03 J	2.42D-07 W	
	NA	NA	NA	NA	NA	NA	NA	
	1.15D-01 J	1.15D-01 J	4.53D-01 W	4.53D-01 W	4.53D-01 W	4.53D-01 W	4.53D-01 W	
314.9	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	7.59D-03 J	7.59D-03 J	2.53D-07 W	
	NA	NA	NA	NA	NA	NA	NA	
	1.20D-01 J	1.20D-01 J	4.74D-01 W	4.74D-01 W	4.74D-01 W	4.74D-01 W	4.74D-01 W	
315-400	2.47D-03 J	3.11D-03 J	3.70D-03 J	4.40D-03 J	7.82D-03 J	7.92D-03 J	2.64D-07 W	
	NA	NA	NA	NA	NA	NA	NA	
	1.25D-01 J	1.25D-01 J	4.95D-01 W	4.95D-01 W	4.95D-01 W	4.95D-01 W	4.95D-01 W	

TABLE 4A

WAVELENGTH RANGE - 400 THRU 700

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	1.0×10^{-9}	5.0×10^{-9}	1.0×10^{-8}	5.0×10^{-8}	1.0×10^{-7}	5.0×10^{-7}	1.0×10^{-6}	5.0×10^{-6}		
>400-700	2.00D-07 J	2.00D-07 J	2.00D-07 J	2.00D-07 J	2.00D-07 J	2.00D-07 J	2.00D-07 J	2.00D-07 J	2.00D-07 J	2.00D-07 J
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1.00D-02 J*	1.71D-02 J*	2.15D-02 J*	3.68D-02 J*	4.64D-02 J*	7.94D-02 J*	1.00D-01 J*	1.71D-01 J*		

TABLE 4B

WAVELENGTH RANGE - 400 THRU 700

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	1.0×10^{-5}	5.0×10^{-5}	1.0×10^{-4}	5.0×10^{-4}	1.0×10^{-3}	5.0×10^{-3}	1.0×10^{-2}	5.0×10^{-2}		
>400-700	2.00D-07 J	4.16D-07 J	7.00D-07 J	2.34D-06 J	3.94D-06 J	1.32D-05 J	2.21D-05 J	7.40D-05 J		
	NA	NA	NA	NA	NA	NA	NA	NA		
	2.15D-01 J*	3.68D-01 J*	4.64D-01 J*	7.94D-01 J*	1.00D+00 J*	1.71D+00 J*	2.15D+00 J*	3.68D+00 J*		

TABLE 4C

WAVELENGTH RANGE - 400 THRU 700

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	1.0×10^{-1}	2.5×10^{-1}	1.0×10^0	5.0×10^0	1.0×10^1	$>1.0 \times 10^1$	1.0×10^4	$>1.0 \times 10^4$		
>400-700	1.24D-04 J	2.47D-04 J	7.00D-04 J	2.34D-03 J	3.94D-03 J		3.90D-03 J		3.90D-07 W	
	NA	NA	1.00D-03 J	5.00D-03 J	1.00D-02 J		1.00D-03 W		1.00D-03 W	
	4.64D+00 J*	6.30D+00 J*	5.00D-01 J	2.50D+00 J	5.00D+00 J		5.00D-01 W		5.00D-01 W	

WAVELENGTH RANGE - 700 THRU 1400

TABLE 5A

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	1.0×10^{-9}	5.0×10^{-9}	1.0×10^{-8}	5.0×10^{-8}	1.0×10^{-7}	5.0×10^{-7}	1.0×10^{-6}	5.0×10^{-6}	1.0×10^{-5}	
710.0	2.09D-07 J NA	2.09D-07 J NA	2.09D-07 J NA	2.09D-07 J NA	2.09D-07 J NA	2.09D-07 J NA	2.09D-07 J NA	2.09D-07 J NA	2.09D-07 J NA	2.09D-07 J NA
	1.05D-02 J*	1.79D-02 J*	2.25D-02 J*	3.85D-02 J*	4.85D-02 J*	8.30D-02 J*	1.05D-01 J*	1.79D-01 J*	2.25D-01 J*	
720.0	2.19D-07 J NA	2.19D-07 J NA	2.19D-07 J NA	2.19D-07 J NA	2.19D-07 J NA	2.19D-07 J NA	2.19D-07 J NA	2.19D-07 J NA	2.19D-07 J NA	2.19D-07 J NA
	1.09D-02 J*	1.87D-02 J*	2.36D-02 J*	4.03D-02 J*	5.08D-02 J*	8.68D-02 J*	1.09D-01 J*	1.87D-01 J*	2.36D-01 J*	
730.0	2.29D-07 J NA	2.29D-07 J NA	2.29D-07 J NA	2.29D-07 J NA	2.29D-07 J NA	2.29D-07 J NA	2.29D-07 J NA	2.29D-07 J NA	2.29D-07 J NA	2.29D-07 J NA
	1.14D-02 J*	1.96D-02 J*	2.46D-02 J*	4.21D-02 J*	5.31D-02 J*	9.08D-02 J*	1.14D-01 J*	1.96D-01 J*	2.46D-01 J*	
740.0	2.39D-07 J NA	2.39D-07 J NA	2.39D-07 J NA	2.39D-07 J NA	2.39D-07 J NA	2.39D-07 J NA	2.39D-07 J NA	2.39D-07 J NA	2.39D-07 J NA	2.39D-07 J NA
	1.20D-02 J*	2.04D-02 J*	2.58D-02 J*	4.41D-02 J*	5.55D-02 J*	9.49D-02 J*	1.20D-01 J*	2.04D-01 J*	2.58D-01 J*	
750.0	2.50D-07 J NA	2.50D-07 J NA	2.50D-07 J NA	2.50D-07 J NA	2.50D-07 J NA	2.50D-07 J NA	2.50D-07 J NA	2.50D-07 J NA	2.50D-07 J NA	2.50D-07 J NA
	1.25D-02 J*	2.14D-02 J*	2.69D-02 J*	4.61D-02 J*	5.80D-02 J*	9.93D-02 J*	1.25D-01 J*	2.14D-01 J*	2.69D-01 J*	
760.0	2.62D-07 J NA	2.62D-07 J NA	2.62D-07 J NA	2.62D-07 J NA	2.62D-07 J NA	2.62D-07 J NA	2.62D-07 J NA	2.62D-07 J NA	2.62D-07 J NA	2.62D-07 J NA
	1.31D-02 J*	2.24D-02 J*	2.82D-02 J*	4.82D-02 J*	6.07D-02 J*	1.04D-01 J*	1.31D-01 J*	2.24D-01 J*	2.82D-01 J*	
770.0	2.73D-07 J NA	2.73D-07 J NA	2.73D-07 J NA	2.73D-07 J NA	2.73D-07 J NA	2.73D-07 J NA	2.73D-07 J NA	2.73D-07 J NA	2.73D-07 J NA	2.73D-07 J NA
	1.37D-02 J*	2.34D-02 J*	2.95D-02 J*	5.04D-02 J*	6.35D-02 J*	1.09D-01 J*	1.37D-01 J*	2.34D-01 J*	2.95D-01 J*	
780.0	2.86D-07 J NA	2.86D-07 J NA	2.86D-07 J NA	2.86D-07 J NA	2.86D-07 J NA	2.86D-07 J NA	2.86D-07 J NA	2.86D-07 J NA	2.86D-07 J NA	2.86D-07 J NA
	1.43D-02 J*	2.45D-02 J*	3.08D-02 J*	5.27D-02 J*	6.64D-02 J*	1.14D-01 J*	1.43D-01 J*	2.45D-01 J*	3.08D-01 J*	
790.0	2.99D-07 J NA	2.99D-07 J NA	2.99D-07 J NA	2.99D-07 J NA	2.99D-07 J NA	2.99D-07 J NA	2.99D-07 J NA	2.99D-07 J NA	2.99D-07 J NA	2.99D-07 J NA
	1.50D-02 J*	2.56D-02 J*	3.22D-02 J*	5.51D-02 J*	6.94D-02 J*	1.19D-01 J*	1.50D-01 J*	2.56D-01 J*	3.22D-01 J*	
800.0	3.13D-07 J NA	3.13D-07 J NA	3.13D-07 J NA	3.13D-07 J NA	3.13D-07 J NA	3.13D-07 J NA	3.13D-07 J NA	3.13D-07 J NA	3.13D-07 J NA	3.13D-07 J NA
	1.56D-02 J*	2.67D-02 J*	3.37D-02 J*	5.76D-02 J*	7.26D-02 J*	1.24D-01 J*	1.56D-01 J*	2.67D-01 J*	3.37D-01 J*	

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	1.0 X 10 ⁻⁹	5.0 X 10 ⁻⁹	1.0 X 10 ⁻⁸	5.0 X 10 ⁻⁸	1.0 X 10 ⁻⁷	5.0 X 10 ⁻⁷	1.0 X 10 ⁻⁶	5.0 X 10 ⁻⁶	1.0 X 10 ⁻⁵	
810.0	3.27D-07 J NA	3.27D-07 J NA	3.27D-07 J NA	3.27D-07 J NA	3.27D-07 J NA	3.27D-07 J NA	3.27D-07 J NA	3.27D-07 J NA	3.27D-07 J NA	3.27D-07 J NA
	1.64D-02 J*	2.80D-02 J*	3.52D-02 J*	6.02D-02 J*	7.59D-02 J*	1.30D-01 J*	1.64D-01 J*	2.80D-01 J*	3.52D-01 J*	
820.0	3.42D-07 J NA	3.42D-07 J NA	3.42D-07 J NA	3.42D-07 J NA	3.42D-07 J NA	3.42D-07 J NA	3.42D-07 J NA	3.42D-07 J NA	3.42D-07 J NA	3.42D-07 J NA
	1.71D-02 J*	2.92D-02 J*	3.68D-02 J*	6.30D-02 J*	7.94D-02 J*	1.36D-01 J*	1.71D-01 J*	2.92D-01 J*	3.68D-01 J*	
830.0	3.58D-07 J NA	3.58D-07 J NA	3.58D-07 J NA	3.58D-07 J NA	3.58D-07 J NA	3.58D-07 J NA	3.58D-07 J NA	3.58D-07 J NA	3.58D-07 J NA	3.58D-07 J NA
	1.79D-02 J*	3.06D-02 J*	3.85D-02 J*	6.59D-02 J*	8.30D-02 J*	1.42D-01 J*	1.79D-01 J*	3.06D-01 J*	3.85D-01 J*	
840.0	3.74D-07 J NA	3.74D-07 J NA	3.74D-07 J NA	3.74D-07 J NA	3.74D-07 J NA	3.74D-07 J NA	3.74D-07 J NA	3.74D-07 J NA	3.74D-07 J NA	3.74D-07 J NA
	1.87D-02 J*	3.20D-02 J*	4.03D-02 J*	6.89D-02 J*	8.68D-02 J*	1.48D-01 J*	1.87D-01 J*	3.20D-01 J*	4.03D-01 J*	
850.0	3.91D-07 J NA	3.91D-07 J NA	3.91D-07 J NA	3.91D-07 J NA	3.91D-07 J NA	3.91D-07 J NA	3.91D-07 J NA	3.91D-07 J NA	3.91D-07 J NA	3.91D-07 J NA
	1.96D-02 J*	3.34D-02 J*	4.21D-02 J*	7.20D-02 J*	9.08D-02 J*	1.55D-01 J*	1.96D-01 J*	3.34D-01 J*	4.21D-01 J*	
860.0	4.09D-07 J NA	4.09D-07 J NA	4.09D-07 J NA	4.09D-07 J NA	4.09D-07 J NA	4.09D-07 J NA	4.09D-07 J NA	4.09D-07 J NA	4.09D-07 J NA	4.09D-07 J NA
	2.04D-02 J*	3.50D-02 J*	4.41D-02 J*	7.53D-02 J*	9.49D-02 J*	1.62D-01 J*	2.04D-01 J*	3.50D-01 J*	4.41D-01 J*	
870.0	4.28D-07 J NA	4.28D-07 J NA	4.28D-07 J NA	4.28D-07 J NA	4.28D-07 J NA	4.28D-07 J NA	4.28D-07 J NA	4.28D-07 J NA	4.28D-07 J NA	4.28D-07 J NA
	2.14D-02 J*	3.66D-02 J*	4.61D-02 J*	7.88D-02 J*	9.93D-02 J*	1.70D-01 J*	2.14D-01 J*	3.66D-01 J*	4.61D-01 J*	
880.0	4.47D-07 J NA	4.47D-07 J NA	4.47D-07 J NA	4.47D-07 J NA	4.47D-07 J NA	4.47D-07 J NA	4.47D-07 J NA	4.47D-07 J NA	4.47D-07 J NA	4.47D-07 J NA
	2.24D-02 J*	3.82D-02 J*	4.82D-02 J*	8.24D-02 J*	1.04D-01 J*	1.77D-01 J*	2.24D-01 J*	3.82D-01 J*	4.82D-01 J*	
890.0	4.68D-07 J NA	4.68D-07 J NA	4.68D-07 J NA	4.68D-07 J NA	4.68D-07 J NA	4.68D-07 J NA	4.68D-07 J NA	4.68D-07 J NA	4.68D-07 J NA	4.68D-07 J NA
	2.34D-02 J*	4.00D-02 J*	5.04D-02 J*	8.62D-02 J*	1.09D-01 J*	1.86D-01 J*	2.34D-01 J*	4.00D-01 J*	5.04D-01 J*	
900.0	4.89D-07 J NA	4.89D-07 J NA	4.89D-07 J NA	4.89D-07 J NA	4.89D-07 J NA	4.89D-07 J NA	4.89D-07 J NA	4.89D-07 J NA	4.89D-07 J NA	4.89D-07 J NA
	2.45D-02 J*	4.18D-02 J*	5.27D-02 J*	9.01D-02 J*	1.14D-01 J*	1.94D-01 J*	2.45D-01 J*	4.18D-01 J*	5.27D-01 J*	

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	⁻⁹ 1.0 X 10	⁻⁹ 5.0 X 10	⁻⁸ 1.0 X 10	⁻⁸ 5.0 X 10	⁻⁷ 1.0 X 10	⁻⁷ 5.0 X 10	⁻⁶ 1.0 X 10	⁻⁶ 5.0 X 10	⁻⁵ 1.0 X 10
910.0	5.11D-07 J NA	5.11D-07 J NA	5.11D-07 J NA	5.11D-07 J NA	5.11D-07 J NA	5.11D-07 J NA	5.11D-07 J NA	5.11D-07 J NA	5.11D-07 J NA
	2.56D-02 J*	4.37D-02 J*	5.51D-02 J*	9.42D-02 J*	1.19D-01 J*	2.03D-01 J*	2.56D-01 J*	4.37D-01 J*	5.51D-01 J*
920.0	5.35D-07 J NA	5.35D-07 J NA	5.35D-07 J NA	5.35D-07 J NA	5.35D-07 J NA	5.35D-07 J NA	5.35D-07 J NA	5.35D-07 J NA	5.35D-07 J NA
	2.67D-02 J*	4.57D-02 J*	5.76D-02 J*	9.85D-02 J*	1.24D-01 J*	2.12D-01 J*	2.67D-01 J*	4.57D-01 J*	5.76D-01 J*
930.0	5.59D-07 J NA	5.59D-07 J NA	5.59D-07 J NA	5.59D-07 J NA	5.59D-07 J NA	5.59D-07 J NA	5.59D-07 J NA	5.59D-07 J NA	5.59D-07 J NA
	2.80D-02 J*	4.78D-02 J*	6.02D-02 J*	1.03D-01 J*	1.30D-01 J*	2.22D-01 J*	2.80D-01 J*	4.78D-01 J*	6.02D-01 J*
940.0	5.85D-07 J NA	5.85D-07 J NA	5.85D-07 J NA	5.85D-07 J NA	5.85D-07 J NA	5.85D-07 J NA	5.85D-07 J NA	5.85D-07 J NA	5.85D-07 J NA
	2.92D-02 J*	5.00D-02 J*	6.30D-02 J*	1.08D-01 J*	1.36D-01 J*	2.32D-01 J*	2.92D-01 J*	5.00D-01 J*	6.30D-01 J*
950.0	6.12D-07 J NA	6.12D-07 J NA	6.12D-07 J NA	6.12D-07 J NA	6.12D-07 J NA	6.12D-07 J NA	6.12D-07 J NA	6.12D-07 J NA	6.12D-07 J NA
	3.06D-02 J*	5.23D-02 J*	6.59D-02 J*	1.13D-01 J*	1.42D-01 J*	2.43D-01 J*	3.06D-01 J*	5.23D-01 J*	6.59D-01 J*
960.0	6.40D-07 J NA	6.40D-07 J NA	6.40D-07 J NA	6.40D-07 J NA	6.40D-07 J NA	6.40D-07 J NA	6.40D-07 J NA	6.40D-07 J NA	6.40D-07 J NA
	3.20D-02 J*	5.47D-02 J*	5.89D-02 J*	1.18D-01 J*	1.48D-01 J*	2.54D-01 J*	3.20D-01 J*	5.47D-01 J*	5.89D-01 J*
970.0	6.69D-07 J NA	6.69D-07 J NA	6.69D-07 J NA	6.69D-07 J NA	6.69D-07 J NA	6.69D-07 J NA	6.69D-07 J NA	6.69D-07 J NA	6.69D-07 J NA
	3.34D-02 J*	5.72D-02 J*	7.20D-02 J*	1.23D-01 J*	1.55D-01 J*	2.65D-01 J*	3.34D-01 J*	5.72D-01 J*	7.20D-01 J*
980.0	6.99D-07 J NA	6.99D-07 J NA	6.99D-07 J NA	6.99D-07 J NA	6.99D-07 J NA	6.99D-07 J NA	6.99D-07 J NA	6.99D-07 J NA	6.99D-07 J NA
	3.50D-02 J*	5.98D-02 J*	7.53D-02 J*	1.29D-01 J*	1.62D-01 J*	2.78D-01 J*	3.50D-01 J*	5.98D-01 J*	7.53D-01 J*
990.0	7.31D-07 J NA	7.31D-07 J NA	7.31D-07 J NA	7.31D-07 J NA	7.31D-07 J NA	7.31D-07 J NA	7.31D-07 J NA	7.31D-07 J NA	7.31D-07 J NA
	3.66D-02 J*	6.25D-02 J*	7.88D-02 J*	1.35D-01 J*	1.70D-01 J*	2.90D-01 J*	3.66D-01 J*	6.25D-01 J*	7.88D-01 J*
1000.0	7.65D-07 J NA	7.65D-07 J NA	7.65D-07 J NA	7.65D-07 J NA	7.65D-07 J NA	7.65D-07 J NA	7.65D-07 J NA	7.65D-07 J NA	7.65D-07 J NA
	3.82D-02 J*	6.54D-02 J*	8.24D-02 J*	1.41D-01 J*	1.77D-01 J*	3.04D-01 J*	3.82D-01 J*	6.54D-01 J*	8.24D-01 J*

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	1.0×10^{-9}	5.0×10^{-9}	1.0×10^{-8}	5.0×10^{-8}	1.0×10^{-7}	5.0×10^{-7}	1.0×10^{-6}	5.0×10^{-6}	1.0×10^{-5}
1010.0	8.00D-07 J NA	8.00D-07 J NA	8.00D-07 J NA	8.00D-07 J NA	8.00D-07 J NA	8.00D-07 J NA	8.00D-07 J NA	8.00D-07 J NA	8.00D-07 J NA
	4.00D-02 J*	6.84D-02 J*	8.62D-02 J*	1.47D-01 J*	1.86D-01 J*	3.17D-01 J*	4.00D-01 J*	6.84D-01 J*	8.62D-01 J*
1020.0	8.36D-07 J NA	8.36D-07 J NA	8.36D-07 J NA	8.36D-07 J NA	8.36D-07 J NA	8.36D-07 J NA	8.36D-07 J NA	8.36D-07 J NA	8.36D-07 J NA
	4.18D-02 J*	7.15D-02 J*	9.01D-02 J*	1.54D-01 J*	1.94D-01 J*	3.32D-01 J*	4.18D-01 J*	7.15D-01 J*	9.01D-01 J*
1030.0	8.75D-07 J NA	8.75D-07 J NA	8.75D-07 J NA	8.75D-07 J NA	8.75D-07 J NA	8.75D-07 J NA	8.75D-07 J NA	8.75D-07 J NA	8.75D-07 J NA
	4.37D-02 J*	7.48D-02 J*	9.42D-02 J*	1.61D-01 J*	2.03D-01 J*	3.47D-01 J*	4.37D-01 J*	7.48D-01 J*	9.42D-01 J*
1040.0	9.15D-07 J NA	9.15D-07 J NA	9.15D-07 J NA	9.15D-07 J NA	9.15D-07 J NA	9.15D-07 J NA	9.15D-07 J NA	9.15D-07 J NA	9.15D-07 J NA
	4.57D-02 J*	7.82D-02 J*	9.85D-02 J*	1.68D-01 J*	2.12D-01 J*	3.63D-01 J*	4.57D-01 J*	7.82D-01 J*	9.85D-01 J*
1050.0	9.56D-07 J NA	9.56D-07 J NA	9.56D-07 J NA	9.56D-07 J NA	9.56D-07 J NA	9.56D-07 J NA	9.56D-07 J NA	9.56D-07 J NA	9.56D-07 J NA
	4.78D-02 J*	8.18D-02 J*	1.03D-01 J*	1.76D-01 J*	2.22D-01 J*	3.80D-01 J*	4.78D-01 J*	8.18D-01 J*	1.03D+00 J*
1060.0- 1400.0	1.00D-06 J NA	1.00D-06 J NA	1.00D-06 J NA	1.00D-06 J NA	1.00D-06 J NA	1.00D-06 J NA	1.00D-06 J NA	1.00D-06 J NA	1.00D-06 J NA
	5.00D-02 J*	8.55D-02 J*	1.08D-01 J*	1.84D-01 J*	2.32D-01 J*	3.97D-01 J*	5.00D-01 J*	8.55D-01 J*	1.08D+00 J*

TABLE 5B

WAVELENGTH RANGE - 700 THRU 1400

SAMPLING INTERVAL IN SECONDS

WAVELENGTH

WAVELENGTH IN NANOMETERS	⁻⁵		⁻⁴		⁻³		⁻²		⁻¹	
	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	2.5 X 10	
710.0	4.35D-07 J NA	7.32D-07 J NA	2.45D-06 J NA	4.12D-06 J NA	1.38D-05 J NA	2.31D-05 J NA	7.74D-05 J NA	1.30D-04 J NA	2.59D-04 J NA	
	3.85D-01 J*	4.85D-01 J*	8.30D-01 J*	1.05D+00 J*	1.79D+00 J*	2.25D+00 J*	3.85D+00 J*	4.85D+00 J*	6.59D+00 J*	
720.0	4.55D-07 J NA	7.65D-07 J NA	2.56D-06 J NA	4.30D-06 J NA	1.44D-05 J NA	2.42D-05 J NA	8.09D-05 J NA	1.36D-04 J NA	2.71D-04 J NA	
	4.03D-01 J*	5.08D-01 J*	8.68D-01 J*	1.09D+00 J*	1.87D+00 J*	2.36D+00 J*	4.03D+00 J*	5.08D+00 J*	6.89D+00 J*	
730.0	4.76D-07 J NA	8.00D-07 J NA	2.68D-06 J NA	4.50D-06 J NA	1.51D-05 J NA	2.53D-05 J NA	8.46D-05 J NA	1.42D-04 J NA	2.83D-04 J NA	
	4.21D-01 J*	5.31D-01 J*	9.08D-01 J*	1.14D+00 J*	1.96D+00 J*	2.46D+00 J*	4.21D+00 J*	5.31D+00 J*	7.20D+00 J*	
740.0	4.98D-07 J NA	8.37D-07 J NA	2.80D-06 J NA	4.71D-06 J NA	1.57D-05 J NA	2.65D-05 J NA	8.85D-05 J NA	1.49D-04 J NA	2.96D-04 J NA	
	4.41D-01 J*	5.55D-01 J*	9.49D-01 J*	1.20D+00 J*	2.04D+00 J*	2.58D+00 J*	4.41D+00 J*	5.55D+00 J*	7.53D+00 J*	
750.0	5.20D-07 J NA	8.75D-07 J NA	2.93D-06 J NA	4.92D-06 J NA	1.65D-05 J NA	2.77D-05 J NA	9.26D-05 J NA	1.56D-04 J NA	3.09D-04 J NA	
	4.61D-01 J*	5.80D-01 J*	9.93D-01 J*	1.25D+00 J*	2.14D+00 J*	2.69D+00 J*	4.61D+00 J*	5.80D+00 J*	7.88D+00 J*	
760.0	5.44D-07 J NA	9.15D-07 J NA	3.06D-06 J NA	5.15D-06 J NA	1.72D-05 J NA	2.89D-05 J NA	9.68D-05 J NA	1.63D-04 J NA	3.24D-04 J NA	
	4.82D-01 J*	6.07D-01 J*	1.04D+00 J*	1.31D+00 J*	2.24D+00 J*	2.82D+00 J*	4.82D+00 J*	6.07D+00 J*	8.24D+00 J*	
770.0	5.69D-07 J NA	9.57D-07 J NA	3.20D-06 J NA	5.38D-06 J NA	1.80D-05 J NA	3.03D-05 J NA	1.01D-04 J NA	1.70D-04 J NA	3.38D-04 J NA	
	5.04D-01 J*	6.35D-01 J*	1.09D+00 J*	1.37D+00 J*	2.34D+00 J*	2.95D+00 J*	5.04D+00 J*	6.35D+00 J*	8.61D+00 J*	
780.0	5.95D-07 J NA	1.00D-06 J NA	3.35D-06 J NA	5.63D-06 J NA	1.88D-05 J NA	3.17D-05 J NA	1.06D-04 J NA	1.78D-04 J NA	3.54D-04 J NA	
	5.27D-01 J*	6.64D-01 J*	1.14D+00 J*	1.43D+00 J*	2.45D+00 J*	3.08D+00 J*	5.27D+00 J*	6.64D+00 J*	9.01D+00 J*	
790.0	6.22D-07 J NA	1.05D-06 J NA	3.50D-06 J NA	5.89D-06 J NA	1.97D-05 J NA	3.31D-05 J NA	1.11D-04 J NA	1.86D-04 J NA	3.70D-04 J NA	
	5.51D-01 J*	6.94D-01 J*	1.19D+00 J*	1.50D+00 J*	2.56D+00 J*	3.22D+00 J*	5.51D+00 J*	6.94D+00 J*	9.42D+00 J*	
800.0	6.51D-07 J NA	1.09D-06 J NA	3.66D-06 J NA	6.16D-06 J NA	2.06D-05 J NA	3.46D-05 J NA	1.16D-04 J NA	1.95D-04 J NA	3.87D-04 J NA	
	5.76D-01 J*	7.26D-01 J*	1.24D+00 J*	1.56D+00 J*	2.67D+00 J*	3.37D+00 J*	5.76D+00 J*	7.26D+00 J*	9.85D+00 J*	

WAVELENGTH
IN
NANOMETERS

SAMPLING INTERVAL IN SECONDS

	⁻⁵ 5.0 X 10	⁻⁴ 1.0 X 10	⁻⁴ 5.0 X 10	⁻³ 1.0 X 10	⁻³ 5.0 X 10	⁻² 1.0 X 10	⁻² 5.0 X 10	⁻¹ 1.0 X 10	⁻¹ 2.5 X 10
810.0	6.81D-07 J NA	1.14D-06 J NA	3.83D-06 J NA	6.44D-06 J NA	2.15D-05 J NA	3.62D-05 J NA	1.21D-04 J NA	2.04D-04 J NA	4.05D-04 J NA
	6.02D-01 J*	7.59D-01 J*	1.30D+00 J*	1.64D+00 J*	2.80D+00 J*	3.52D+00 J*	6.02D+00 J*	7.59D+00 J*	1.00D+01 J*
820.0	7.12D-07 J NA	1.20D-06 J NA	4.00D-06 J NA	6.73D-06 J NA	2.25D-05 J NA	3.79D-05 J NA	1.27D-04 J NA	2.13D-04 J NA	4.23D-04 J NA
	6.30D-01 J*	7.94D-01 J*	1.36D+00 J*	1.71D+00 J*	2.92D+00 J*	3.68D+00 J*	6.30D+00 J*	7.94D+00 J*	1.00D+01 J*
830.0	7.44D-07 J NA	1.25D-06 J NA	4.19D-06 J NA	7.04D-06 J NA	2.35D-05 J NA	3.96D-05 J NA	1.32D-04 J NA	2.23D-04 J NA	4.43D-04 J NA
	6.59D-01 J*	8.30D-01 J*	1.42D+00 J*	1.79D+00 J*	3.06D+00 J*	3.85D+00 J*	6.59D+00 J*	8.30D+00 J*	1.00D+01 J*
840.0	7.78D-07 J NA	1.31D-06 J NA	4.38D-06 J NA	7.36D-06 J NA	2.46D-05 J NA	4.14D-05 J NA	1.38D-04 J NA	2.33D-04 J NA	4.63D-04 J NA
	6.89D-01 J*	8.68D-01 J*	1.48D+00 J*	1.87D+00 J*	3.20D+00 J*	4.03D+00 J*	6.89D+00 J*	8.68D+00 J*	1.00D+01 J*
850.0	8.14D-07 J NA	1.37D-06 J NA	4.58D-06 J NA	7.70D-06 J NA	2.57D-05 J NA	4.33D-05 J NA	1.45D-04 J NA	2.43D-04 J NA	4.84D-04 J NA
	7.20D-01 J*	9.08D-01 J*	1.55D+00 J*	1.96D+00 J*	3.34D+00 J*	4.21D+00 J*	7.20D+00 J*	9.08D+00 J*	1.00D+01 J*
860.0	8.51D-07 J NA	1.43D-06 J NA	4.79D-06 J NA	8.05D-06 J NA	2.69D-05 J NA	4.53D-05 J NA	1.51D-04 J NA	2.55D-04 J NA	5.06D-04 J NA
	7.53D-01 J*	9.49D-01 J*	1.62D+00 J*	2.04D+00 J*	3.50D+00 J*	4.41D+00 J*	7.53D+00 J*	9.49D+00 J*	1.00D+01 J*
870.0	8.90D-07 J NA	1.50D-06 J NA	5.01D-06 J NA	8.42D-06 J NA	2.81D-05 J NA	4.73D-05 J NA	1.58D-04 J NA	2.66D-04 J NA	5.29D-04 J NA
	7.88D-01 J*	9.93D-01 J*	1.70D+00 J*	2.14D+00 J*	3.66D+00 J*	4.61D+00 J*	7.88D+00 J*	9.93D+00 J*	1.00D+01 J*
880.0	9.31D-07 J NA	1.57D-06 J NA	5.23D-06 J NA	8.80D-06 J NA	2.94D-05 J NA	4.95D-05 J NA	1.66D-04 J NA	2.78D-04 J NA	5.53D-04 J NA
	8.24D-01 J*	1.04D+00 J*	1.77D+00 J*	2.24D+00 J*	3.82D+00 J*	4.82D+00 J*	8.24D+00 J*	1.00D+01 J*	1.00D+01 J*
890.0	9.73D-07 J NA	1.64D-06 J NA	5.47D-06 J NA	9.21D-06 J NA	3.08D-05 J NA	5.18D-05 J NA	1.73D-04 J NA	2.91D-04 J NA	5.79D-04 J NA
	8.62D-01 J*	1.09D+00 J*	1.86D+00 J*	2.34D+00 J*	4.00D+00 J*	5.04D+00 J*	8.62D+00 J*	1.00D+01 J*	1.00D+01 J*
900.0	1.02D-06 J NA	1.71D-06 J NA	5.72D-06 J NA	9.63D-06 J NA	3.22D-05 J NA	5.41D-05 J NA	1.81D-04 J NA	3.04D-04 J NA	6.05D-04 J NA
	9.01D-01 J*	1.14D+00 J*	1.94D+00 J*	2.45D+00 J*	4.18D+00 J*	5.27D+00 J*	9.01D+00 J*	1.00D+01 J*	1.00D+01 J*

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	5.0×10^{-5}	1.0×10^{-4}	5.0×10^{-4}	1.0×10^{-3}	5.0×10^{-3}	1.0×10^{-2}	5.0×10^{-2}	1.0×10^{-1}	2.5×10^{-1}	
910.0	1.06D-06 J NA	1.79D-06 J NA	5.99D-06 J NA	1.01D-05 J NA	3.37D-05 J NA	5.66D-05 J NA	1.89D-04 J NA	3.18D-04 J NA	6.33D-04 J NA	9.42D-01 J* NA
920.0	1.11D-06 J NA	1.87D-06 J NA	6.26D-06 J NA	1.05D-05 J NA	3.52D-05 J NA	5.92D-05 J NA	1.98D-04 J NA	3.33D-04 J NA	6.62D-04 J NA	9.85D-01 J* NA
930.0	1.16D-06 J NA	1.96D-06 J NA	6.55D-06 J NA	1.10D-05 J NA	3.68D-05 J NA	6.19D-05 J NA	2.07D-04 J NA	3.48D-04 J NA	6.92D-04 J NA	1.00D+01 J* NA
940.0	1.22D-06 J NA	2.05D-06 J NA	6.84D-06 J NA	1.15D-05 J NA	3.85D-05 J NA	6.47D-05 J NA	2.16D-04 J NA	3.64D-04 J NA	7.24D-04 J NA	1.00D+01 J* NA
950.0	1.27D-06 J NA	2.14D-06 J NA	7.16D-06 J NA	1.20D-05 J NA	4.02D-05 J NA	6.77D-05 J NA	2.26D-04 J NA	3.81D-04 J NA	7.57D-04 J NA	1.00D+01 J* NA
960.0	1.33D-06 J NA	2.24D-06 J NA	7.48D-06 J NA	1.26D-05 J NA	4.21D-05 J NA	7.08D-05 J NA	2.37D-04 J NA	3.98D-04 J NA	7.91D-04 J NA	1.00D+01 J* NA
970.0	1.39D-06 J NA	2.34D-06 J NA	7.83D-06 J NA	1.32D-05 J NA	4.40D-05 J NA	7.40D-05 J NA	2.48D-04 J NA	4.16D-04 J NA	8.28D-04 J NA	1.00D+01 J* NA
980.0	1.46D-06 J NA	2.45D-06 J NA	8.18D-06 J NA	1.38D-05 J NA	4.60D-05 J NA	7.74D-05 J NA	2.59D-04 J NA	4.35D-04 J NA	8.65D-04 J NA	1.00D+01 J* NA
990.0	1.52D-06 J NA	2.56D-06 J NA	8.56D-06 J NA	1.44D-05 J NA	4.81D-05 J NA	8.09D-05 J NA	2.71D-04 J NA	4.55D-04 J NA	9.05D-04 J NA	1.00D+01 J* NA
1000.0	1.59D-06 J NA	2.68D-06 J NA	8.95D-06 J NA	1.51D-05 J NA	5.03D-05 J NA	8.46D-05 J NA	2.83D-04 J NA	4.76D-04 J NA	9.46D-04 J NA	1.00D+01 J* NA

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	5.0×10^{-5}	1.0×10^{-4}	5.0×10^{-4}	1.0×10^{-3}	5.0×10^{-3}	1.0×10^{-2}	5.0×10^{-2}	1.0×10^{-1}	2.5×10^{-1}	
1010.0	1.66D-06 J	2.80D-06 J	9.36D-06 J	1.57D-05 J	5.26D-05 J	8.85D-05 J	2.96D-04 J	4.98D-04 J	9.90D-04 J	
	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1020.0	1.47D+00 J*	1.86D+00 J*	3.17D+00 J*	4.00D+00 J*	6.84D+00 J*	8.62D+00 J*	1.00D+01 J*	1.00D+01 J*	1.00D+01 J*	
	1.74D-06 J	2.93D-06 J	9.79D-06 J	1.65D-05 J	5.50D-05 J	9.26D-05 J	3.10D-04 J	5.21D-04 J	1.03D-03 J	
1030.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1.54D+00 J*	1.94D+00 J*	3.32D+00 J*	4.18D+00 J*	7.15D+00 J*	9.01D+00 J*	1.00D+01 J*	1.00D+01 J*	1.00D+01 J*	
1040.0	1.82D-06 J	3.06D-06 J	1.02D-05 J	1.72D-05 J	5.76D-05 J	9.68D-05 J	3.24D-04 J	5.44D-04 J	1.08D-03 J	
	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1050.0	1.61D+00 J*	2.03D+00 J*	3.47D+00 J*	4.37D+00 J*	7.48D+00 J*	9.42D+00 J*	1.00D+01 J*	1.00D+01 J*	1.00D+01 J*	
	1.90D-06 J	3.20D-06 J	1.07D-05 J	1.80D-05 J	6.02D-05 J	1.01D-04 J	3.38D-04 J	5.69D-04 J	1.13D-03 J	
1060.0- 1400.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1.68D+00 J*	2.12D+00 J*	3.63D+00 J*	4.57D+00 J*	7.82D+00 J*	9.85D+00 J*	1.00D+01 J*	1.00D+01 J*	1.00D+01 J*	
1060.0- 1400.0	1.99D-06 J	3.35D-06 J	1.12D-05 J	1.88D-05 J	6.29D-05 J	1.06D-04 J	3.54D-04 J	5.95D-04 J	1.18D-03 J	
	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1060.0- 1400.0	1.76D+00 J*	2.22D+00 J*	3.80D+00 J*	4.78D+00 J*	8.18D+00 J*	1.00D+01 J*	1.00D+01 J*	1.00D+01 J*	1.00D+01 J*	
	2.08D-06 J	3.50D-06 J	1.17D-05 J	1.97D-05 J	6.58D-05 J	1.11D-04 J	3.70D-04 J	6.22D-04 J	1.24D-03 J	
1060.0- 1400.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1.84D+00 J*	2.32D+00 J*	3.97D+00 J*	5.00D+00 J*	8.55D+00 J*	1.00D+01 J*	1.00D+01 J*	1.00D+01 J*	1.00D+01 J*	

WAVELENGTH RANGE - 700 THRU 1400

TABLE 5C

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS								
	1.0 X 10 ⁰	5.0 X 10 ⁰	1.0 X 10 ¹	5.0 X 10 ¹	1.0 X 10 ²	1.0 X 10 ³	1.0 X 10 ⁴	>1.0 X 10 ⁴	
710.0	7.32D-04 J NA 5.00D-01 J	2.45D-03 J NA 2.50D+00 J	4.12D-03 J NA 5.00D+00 J	4.08D-03 J NA 5.00D-01 W	4.08D-03 J NA 5.00D-01 W	4.44D-03 J NA 5.00D-01 W	4.44D-02 J NA 5.00D-01 W	4.44D-06 W NA 5.00D-01 W	
720.0	7.65D-04 J NA 5.00D-01 J	2.56D-03 J NA 2.50D+00 J	4.30D-03 J NA 5.00D+00 J	4.26D-03 J NA 5.00D-01 W	4.26D-03 J NA 5.00D-01 W	8.87D-03 J NA 5.00D-01 W	8.87D-02 J NA 5.00D-01 W	8.87D-06 W NA 5.00D-01 W	
730.0	8.00D-04 J NA 5.00D-01 J	2.68D-03 J NA 2.50D+00 J	4.50D-03 J NA 5.00D+00 J	4.46D-03 J NA 5.00D-01 W	4.46D-03 J NA 5.00D-01 W	1.37D-02 J NA 5.00D-01 W	1.37D-01 J NA 5.00D-01 W	1.37D-05 W NA 5.00D-01 W	
740.0	8.37D-04 J NA 5.00D-01 J	2.80D-03 J NA 2.50D+00 J	4.71D-03 J NA 5.00D+00 J	4.66D-03 J NA 5.00D-01 W	4.66D-03 J NA 5.00D-01 W	1.89D-02 J NA 5.00D-01 W	1.89D-01 J NA 5.00D-01 W	1.89D-05 W NA 5.00D-01 W	
750.0	8.75D-04 J NA 5.00D-01 J	2.93D-03 J NA 2.50D+00 J	4.92D-03 J NA 5.00D+00 J	4.88D-03 J NA 5.00D-01 W	4.88D-03 J NA 5.00D-01 W	2.46D-02 J NA 5.00D-01 W	2.46D-01 J NA 5.00D-01 W	2.46D-05 W NA 5.00D-01 W	
760.0	9.15D-04 J NA 5.00D-01 J	3.06D-03 J NA 2.50D+00 J	5.15D-03 J NA 5.00D+00 J	5.10D-03 J NA 5.00D-01 W	5.10D-03 J NA 5.00D-01 W	3.08D-02 J NA 5.00D-01 W	3.08D-01 J NA 5.00D-01 W	3.08D-05 W NA 5.00D-01 W	
770.0	9.57D-04 J NA 5.00D-01 J	3.20D-03 J NA 2.50D+00 J	5.38D-03 J NA 5.00D+00 J	5.33D-03 J NA 5.00D-01 W	5.33D-03 J NA 5.00D-01 W	3.75D-02 J NA 5.00D-01 W	3.75D-01 J NA 5.00D-01 W	3.75D-05 W NA 5.00D-01 W	
780.0	1.00D-03 J NA 5.00D-01 J	3.35D-03 J NA 2.50D+00 J	5.63D-03 J NA 5.00D+00 J	5.58D-03 J NA 5.00D-01 W	5.58D-03 J NA 5.00D-01 W	4.47D-02 J NA 5.00D-01 W	4.47D-01 J NA 5.00D-01 W	4.47D-05 W NA 5.00D-01 W	
790.0	1.05D-03 J NA 5.00D-01 J	3.50D-03 J NA 2.50D+00 J	5.89D-03 J NA 5.00D+00 J	5.83D-03 J NA 5.00D-01 W	5.83D-03 J NA 5.00D-01 W	5.25D-02 J NA 5.00D-01 W	5.25D-01 J NA 5.00D-01 W	5.25D-05 W NA 5.00D-01 W	
800.0	1.09D-03 J NA 5.00D-01 J	3.66D-03 J NA 2.50D+00 J	6.16D-03 J NA 5.00D+00 J	6.10D-03 J NA 5.00D-01 W	6.10D-03 J NA 5.00D-01 W	6.10D-02 J NA 5.00D-01 W	6.10D-01 J NA 5.00D-01 W	6.10D-05 W NA 5.00D-01 W	

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS								
	1.0 X 10 ⁰	5.0 X 10 ⁰	1.0 X 10 ¹	5.0 X 10 ¹	1.0 X 10 ²	1.0 X 10 ³	1.0 X 10 ⁴	>1.0 X 10 ⁴	
810.0	1.14E-03 J	3.83D-03 J	6.44D-03 J	6.38D-03 J	6.38D-03 J	6.38D-02 J	6.38D-01 J	6.38D-05 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
820.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	1.20D-03 J	4.00D-03 J	6.73D-03 J	6.67D-03 J	6.67D-03 J	6.67D-02 J	6.67D-01 J	6.67D-05 W	
830.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
840.0	1.25D-03 J	4.19D-03 J	7.04D-03 J	6.97D-03 J	6.97D-03 J	6.97D-02 J	6.97D-01 J	6.97D-05 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
850.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	1.31D-03 J	4.38D-03 J	7.36D-03 J	7.29D-03 J	7.29D-03 J	7.29D-02 J	7.29D-01 J	7.29D-05 W	
860.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
870.0	1.37D-03 J	4.58D-03 J	7.70D-03 J	7.63D-03 J	7.63D-03 J	7.63D-02 J	7.63D-01 J	7.63D-05 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
880.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	1.43D-03 J	4.79D-03 J	8.05D-03 J	7.98D-03 J	7.98D-03 J	7.98D-02 J	7.98D-01 J	7.98D-05 W	
890.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
900.0	1.50D-03 J	5.01D-03 J	8.42D-03 J	8.34D-03 J	8.34D-03 J	8.34D-02 J	8.34D-01 J	8.34D-05 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
910.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	1.57D-03 J	5.23D-03 J	8.80D-03 J	8.72D-03 J	8.72D-03 J	8.72D-02 J	8.72D-01 J	8.72D-05 W	
920.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
930.0	1.64D-03 J	5.47D-03 J	9.21D-03 J	9.12D-03 J	9.12D-03 J	9.12D-02 J	9.12D-01 J	9.12D-05 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
940.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	1.71D-03 J	5.72D-03 J	9.63D-03 J	9.54D-03 J	9.54D-03 J	9.54D-02 J	9.54D-01 J	9.54D-05 W	
950.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS								
	⁰ 1.0 X 10	⁰ 5.0 X 10	¹ 1.0 X 10	¹ 5.0 X 10	² 1.0 X 10	³ 1.0 X 10	⁴ 1.0 X 10	⁴ >1.0 X 10	
910.0	1.79D-03 J	5.99D-03 J	1.01D-02 J	9.97D-03 J	9.97D-03 J	9.97D-02 J	9.97D-01 J	9.97D-05 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
920.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	1.87D-03 J	6.26D-03 J	1.05D-02 J	1.04D-02 J	1.04D-02 J	1.04D-01 J	1.04D+00 J	1.04D-04 W	
930.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
940.0	1.96D-03 J	6.55D-03 J	1.10D-02 J	1.09D-02 J	1.09D-02 J	1.09D-01 J	1.09D+00 J	1.09D-04 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
950.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	2.05D-03 J	6.84D-03 J	1.15D-02 J	1.14D-02 J	1.14D-02 J	1.14D-01 J	1.14D+00 J	1.14D-04 W	
960.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
970.0	2.14D-03 J	7.16D-03 J	1.20D-02 J	1.19D-02 J	1.19D-02 J	1.19D-01 J	1.19D+00 J	1.19D-04 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
980.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	2.24D-03 J	7.48D-03 J	1.26D-02 J	1.25D-02 J	1.25D-02 J	1.25D-01 J	1.25D+00 J	1.25D-04 W	
990.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
1000.0	2.34D-03 J	7.83D-03 J	1.32D-02 J	1.30D-02 J	1.30D-02 J	1.30D-01 J	1.30D+00 J	1.30D-04 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
1000.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	2.45D-03 J	8.18D-03 J	1.38D-02 J	1.36D-02 J	1.36D-02 J	1.36D-01 J	1.36D+00 J	1.36D-04 W	
1000.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
1000.0	2.56D-03 J	8.56D-03 J	1.44D-02 J	1.43D-02 J	1.43D-02 J	1.43D-01 J	1.43D+00 J	1.43D-04 W	
	NA	NA	NA	NA	NA	NA	NA	NA	
1000.0	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W
	2.68D-03 J	8.95D-03 J	1.51D-02 J	1.49D-02 J	1.49D-02 J	1.49D-01 J	1.49D+00 J	1.49D-04 W	
1000.0	NA	NA	NA	NA	NA	NA	NA	NA	
	5.00D-01 J	2.50D+00 J	5.00D+00 J	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W	5.00D-01 W

WAVELENGTH RANGE - 1400 THRU 13000

TABLE 6A

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS							
	⁻⁹ 10	⁻⁷ 10	⁻⁷ 5.0 X 10	⁻⁶ 1.0 X 10	⁻⁶ 5.0 X 10	⁻⁵ 1.0 X 10	⁻⁵ 5.0 X 10	⁻⁵ 10
>1400-1535	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	1.00D+01 J*	1.00D+01 J*
>1535-1545	7.90D-03 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	1.00D+01 J*	1.00D+01 J*
>1545-13000	7.90D-05 J NA	1.17D-04 J NA	1.39D-04 J NA	2.08D-04 J NA	2.47D-04 J NA	3.70D-04 J NA	1.00D+01 J*	1.00D+01 J*

WAVELENGTH RANGE - 1400 THRU 13000

TABLE 6B

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS					
	⁻⁴ 1.0 X 10	⁻⁴ 5.0 X 10	⁻³ 1.0 X 10	⁻³ 5.0 X 10	⁻² 1.0 X 10	⁻² 5.0 X 10
>1400-1535	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA	1.17D-03 J NA	1.39D-03 J NA	2.08D-03 J NA
>1535-1545	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA	1.17D-03 J NA	1.39D-03 J NA	2.08D-03 J NA
>1545-13000	4.40D-04 J NA	6.58D-04 J NA	7.82D-04 J NA	1.17D-03 J NA	1.39D-03 J NA	2.08D-03 J NA

WAVELENGTH RANGE - 1400 THRU 13000

TABLE 6C

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS						
	⁻¹ 1.0 X 10	⁻¹ 5.0 X 10	⁰ 1.0 X 10	⁰ 5.0 X 10	¹ 1.0 X 10	¹ >1.0 X 10	
>1400-1535	2.47D-03 J NA	3.70D-03 J NA	4.40D-03 J NA	6.58D-03 J NA	7.82D-03 J NA	7.90D-04 W NA	5.00D-01 W
>1535-1545	2.47D-03 J NA	3.70D-03 J NA	4.40D-03 J NA	6.58D-03 J NA	7.82D-03 J NA	7.90D-04 W NA	5.00D-01 W
>1545-13000	2.47D-03 J NA	3.70D-03 J NA	4.40D-03 J NA	6.58D-03 J NA	7.82D-03 J NA	7.90D-04 W NA	5.00D-01 W

TABLE 7A

WAVELENGTH RANGE - 400 THRU 700

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	1.0×10^{-9}	5.0×10^{-9}	1.0×10^{-8}	5.0×10^{-8}	1.0×10^{-7}	5.0×10^{-7}	1.0×10^{-6}	5.0×10^{-6}		
>400-700	1.00D-02 J#	1.71D-02 J#	2.15D-02 J#	3.68D-02 J#	4.64D-02 J#	7.94D-02 J#	1.00D-01 J#	1.71D-01 J#		

TABLE 7B

WAVELENGTH RANGE - 400 THRU 700

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	1.0×10^{-5}	5.0×10^{-5}	1.0×10^{-4}	5.0×10^{-4}	1.0×10^{-3}	5.0×10^{-3}	1.0×10^{-2}	5.0×10^{-2}		
>400-700	2.15D-01 J#	3.68D-01 J#	4.64D-01 J#	7.94D-01 J#	1.00D+00 J#	1.71D+00 J#	2.15D+00 J#	3.68D+00 J#		

TABLE 7C

WAVELENGTH RANGE - 400 THRU 700

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS									
	1.0×10^{-1}	2.5×10^{-1}	1.0×10^{-0}	5.0×10^{-0}	1.0×10^1	$>1.0 \times 10^1$	1.0×10^4	$>1.0 \times 10^4$		
>400-700	4.64D+00 J#	6.30D+00 J#	1.00D+01 J#	1.71D+01 J#	2.15D+01 J#	2.00D+01 J#	2.00D+01 J#	2.00D-03 W#		

TABLE 8A

WAVELENGTH RANGE - 700 THRU 1400

WAVELENGTH IN NANOMETERS	SAMPLING INTERVAL IN SECONDS																	
	⁻⁹ 1.0 X 10		⁻⁹ 5.0 X 10		⁻⁸ 1.0 X 10		⁻⁸ 5.0 X 10		⁻⁷ 1.0 X 10		⁻⁷ 5.0 X 10		⁻⁶ 1.0 X 10		⁻⁶ 5.0 X 10		⁻⁵ 1.0 X 10	
710.0	1.05D-02	J#	1.79D-02	J#	2.25D-02	J#	3.85D-02	J#	4.85D-02	J#	8.30D-02	J#	1.05D-01	J#	1.79D-01	J#	2.25D-01	J#
720.0	1.09D-02	J#	1.87D-02	J#	2.36D-02	J#	4.03D-02	J#	5.08D-02	J#	8.68D-02	J#	1.09D-01	J#	1.87D-01	J#	2.36D-01	J#
730.0	1.14D-02	J#	1.96D-02	J#	2.46D-02	J#	4.21D-02	J#	5.31D-02	J#	9.08D-02	J#	1.14D-01	J#	1.96D-01	J#	2.46D-01	J#
740.0	1.20D-02	J#	2.04D-02	J#	2.58D-02	J#	4.41D-02	J#	5.55D-02	J#	9.49D-02	J#	1.20D-01	J#	2.04D-01	J#	2.58D-01	J#
750.0	1.25D-02	J#	2.14D-02	J#	2.69D-02	J#	4.61D-02	J#	5.80D-02	J#	9.93D-02	J#	1.25D-01	J#	2.14D-01	J#	2.69D-01	J#
760.0	1.31D-02	J#	2.24D-02	J#	2.82D-02	J#	4.82D-02	J#	6.07D-02	J#	1.04D-01	J#	1.31D-01	J#	2.24D-01	J#	2.82D-01	J#
770.0	1.37D-02	J#	2.34D-02	J#	2.95D-02	J#	5.04D-02	J#	6.35D-02	J#	1.09D-01	J#	1.37D-01	J#	2.34D-01	J#	2.95D-01	J#
780.0	1.43D-02	J#	2.45D-02	J#	3.08D-02	J#	5.27D-02	J#	6.64D-02	J#	1.14D-01	J#	1.43D-01	J#	2.45D-01	J#	3.08D-01	J#
790.0	1.50D-02	J#	2.56D-02	J#	3.22D-02	J#	5.51D-02	J#	6.94D-02	J#	1.19D-01	J#	1.50D-01	J#	2.56D-01	J#	3.22D-01	J#
800.0	1.56D-02	J#	2.67D-02	J#	3.37D-02	J#	5.76D-02	J#	7.26D-02	J#	1.24D-01	J#	1.56D-01	J#	2.67D-01	J#	3.37D-01	J#
810.0	1.64D-02	J#	2.80D-02	J#	3.52D-02	J#	6.02D-02	J#	7.59D-02	J#	1.30D-01	J#	1.64D-01	J#	2.80D-01	J#	3.52D-01	J#
820.0	1.71D-02	J#	2.92D-02	J#	3.68D-02	J#	6.30D-02	J#	7.94D-02	J#	1.36D-01	J#	1.71D-01	J#	2.92D-01	J#	3.68D-01	J#
830.0	1.79D-02	J#	3.06D-02	J#	3.85D-02	J#	6.59D-02	J#	8.30D-02	J#	1.42D-01	J#	1.79D-01	J#	3.06D-01	J#	3.85D-01	J#
840.0	1.87D-02	J#	3.20D-02	J#	4.03D-02	J#	6.89D-02	J#	8.68D-02	J#	1.48D-01	J#	1.87D-01	J#	3.20D-01	J#	4.03D-01	J#
850.0	1.96D-02	J#	3.34D-02	J#	4.21D-02	J#	7.20D-02	J#	9.08D-02	J#	1.55D-01	J#	1.96D-01	J#	3.34D-01	J#	4.21D-01	J#
860.0	2.04D-02	J#	3.50D-02	J#	4.41D-02	J#	7.53D-02	J#	9.49D-02	J#	1.62D-01	J#	2.04D-01	J#	3.50D-01	J#	4.41D-01	J#
870.0	2.14D-02	J#	3.66D-02	J#	4.61D-02	J#	7.88D-02	J#	9.93D-02	J#	1.70D-01	J#	2.14D-01	J#	3.66D-01	J#	4.61D-01	J#
880.0	2.24D-02	J#	3.82D-02	J#	4.82D-02	J#	8.24D-02	J#	1.04D-01	J#	1.77D-01	J#	2.24D-01	J#	3.82D-01	J#	4.82D-01	J#
890.0	2.34D-02	J#	4.00D-02	J#	5.04D-02	J#	8.62D-02	J#	1.09D-01	J#	1.86D-01	J#	2.34D-01	J#	4.00D-01	J#	5.04D-01	J#
900.0	2.45D-02	J#	4.18D-02	J#	5.27D-02	J#	9.01D-02	J#	1.14D-01	J#	1.94D-01	J#	2.45D-01	J#	4.18D-01	J#	5.27D-01	J#
910.0	2.56D-02	J#	4.37D-02	J#	5.51D-02	J#	9.42D-02	J#	1.19D-01	J#	2.03D-01	J#	2.56D-01	J#	4.37D-01	J#	5.51D-01	J#
920.0	2.67D-02	J#	4.57D-02	J#	5.76D-02	J#	9.85D-02	J#	1.24D-01	J#	2.12D-01	J#	2.67D-01	J#	4.57D-01	J#	5.76D-01	J#
930.0	2.80D-02	J#	4.78D-02	J#	6.02D-02	J#	1.03D-01	J#	1.30D-01	J#	2.22D-01	J#	2.80D-01	J#	4.78D-01	J#	6.02D-01	J#
940.0	2.92D-02	J#	5.00D-02	J#	6.30D-02	J#	1.08D-01	J#	1.36D-01	J#	2.32D-01	J#	2.92D-01	J#	5.00D-01	J#	6.30D-01	J#
950.0	3.06D-02	J#	5.23D-02	J#	6.59D-02	J#	1.13D-01	J#	1.42D-01	J#	2.43D-01	J#	3.06D-01	J#	5.23D-01	J#	6.59D-01	J#
960.0	3.20D-02	J#	5.47D-02	J#	6.89D-02	J#	1.18D-01	J#	1.48D-01	J#	2.54D-01	J#	3.20D-01	J#	5.47D-01	J#	6.89D-01	J#
970.0	3.34D-02	J#	5.72D-02	J#	7.20D-02	J#	1.23D-01	J#	1.55D-01	J#	2.65D-01	J#	3.34D-01	J#	5.72D-01	J#	7.20D-01	J#
980.0	3.50D-02	J#	5.98D-02	J#	7.53D-02	J#	1.29D-01	J#	1.62D-01	J#	2.78D-01	J#	3.50D-01	J#	5.98D-01	J#	7.53D-01	J#
990.0	3.66D-02	J#	6.25D-02	J#	7.88D-02	J#	1.35D-01	J#	1.70D-01	J#	2.90D-01	J#	3.66D-01	J#	6.25D-01	J#	7.88D-01	J#
1000.0	3.82D-02	J#	6.54D-02	J#	8.24D-02	J#	1.41D-01	J#	1.77D-01	J#	3.04D-01	J#	3.82D-01	J#	6.54D-01	J#	8.24D-01	J#
1010.0	4.00D-02	J#	6.84D-02	J#	8.62D-02	J#	1.47D-01	J#	1.86D-01	J#	3.17D-01	J#	4.00D-01	J#	6.84D-01	J#	8.62D-01	J#
1020.0	4.18D-02	J#	7.15D-02	J#	9.01D-02	J#	1.54D-01	J#	1.94D-01	J#	3.32D-01	J#	4.18D-01	J#	7.15D-01	J#	9.01D-01	J#
1030.0	4.37D-02	J#	7.48D-02	J#	9.42D-02	J#	1.61D-01	J#	2.03D-01	J#	3.47D-01	J#	4.37D-01	J#	7.48D-01	J#	9.42D-01	J#
1040.0	4.57D-02	J#	7.82D-02	J#	9.85D-02	J#	1.68D-01	J#	2.12D-01	J#	3.63D-01	J#	4.57D-01	J#	7.82D-01	J#	9.85D-01	J#
1050.0	4.78D-02	J#	8.18D-02	J#	1.03D-01	J#	1.76D-01	J#	2.22D-01	J#	3.80D-01	J#	4.78D-01	J#	8.18D-01	J#	1.03D+00	J#
1060-1400	5.00D-02	J#	8.55D-02	J#	1.08D-01	J#	1.84D-01	J#	2.32D-01	J#	3.97D-01	J#	5.00D-01	J#	8.55D-01	J#	1.08D+00	J#

TABLE 8B

WAVELENGTH RANGE - 700 THRU 1400

SAMPLING INTERVAL IN SECONDS

WAVELENGTH IN NANOMETERS	-5		-4		-4		-3		-3		-2		-2		-1		-1		
	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	2.5 X 10	2.5 X 10	2.5 X 10	2.5 X 10	
710.0	3.85D-01	J# 4.85D-01	J# 8.30D-01	J# 1.05D+00	J# 1.79D+00	J# 2.25D+00	J# 3.85D+00	J# 4.85D+00	J# 6.59D+00	J# 8.30D+00	J# 1.05D+00	J# 1.79D+00	J# 2.25D+00	J# 3.85D+00	J# 4.85D+00	J# 6.59D+00	J# 8.30D+00	J# 1.05D+00	J# 1.79D+00
720.0	4.03D-01	J# 5.08D-01	J# 8.68D-01	J# 1.09D+00	J# 1.87D+00	J# 2.36D+00	J# 4.03D+00	J# 5.08D+00	J# 6.89D+00	J# 8.68D+00	J# 1.09D+00	J# 1.87D+00	J# 2.36D+00	J# 4.03D+00	J# 5.08D+00	J# 6.89D+00	J# 8.68D+00	J# 1.09D+00	J# 1.87D+00
730.0	4.21D-01	J# 5.31D-01	J# 9.08D-01	J# 1.14D+00	J# 1.96D+00	J# 2.46D+00	J# 4.21D+00	J# 5.31D+00	J# 7.20D+00	J# 9.08D+00	J# 1.14D+00	J# 1.96D+00	J# 2.46D+00	J# 4.21D+00	J# 5.31D+00	J# 7.20D+00	J# 9.08D+00	J# 1.14D+00	J# 1.96D+00
740.0	4.41D-01	J# 5.55D-01	J# 9.49D-01	J# 1.20D+00	J# 2.04D+00	J# 2.58D+00	J# 4.41D+00	J# 5.55D+00	J# 7.53D+00	J# 9.49D+00	J# 1.20D+00	J# 2.04D+00	J# 2.58D+00	J# 4.41D+00	J# 5.55D+00	J# 7.53D+00	J# 9.49D+00	J# 1.20D+00	J# 2.04D+00
750.0	4.61D-01	J# 5.80D-01	J# 9.93D-01	J# 1.25D+00	J# 2.14D+00	J# 2.69D+00	J# 4.61D+00	J# 5.80D+00	J# 7.88D+00	J# 9.93D+00	J# 1.25D+00	J# 2.14D+00	J# 2.69D+00	J# 4.61D+00	J# 5.80D+00	J# 7.88D+00	J# 9.93D+00	J# 1.25D+00	J# 2.14D+00
760.0	4.82D-01	J# 6.07D-01	J# 1.04D+00	J# 1.31D+00	J# 2.24D+00	J# 2.82D+00	J# 4.82D+00	J# 6.07D+00	J# 8.24D+00	J# 1.04D+00	J# 1.31D+00	J# 2.24D+00	J# 2.82D+00	J# 4.82D+00	J# 6.07D+00	J# 8.24D+00	J# 1.04D+00	J# 1.31D+00	J# 2.24D+00
770.0	5.04D-01	J# 6.35D-01	J# 1.09D+00	J# 1.37D+00	J# 2.34D+00	J# 2.95D+00	J# 5.04D+00	J# 6.35D+00	J# 8.61D+00	J# 1.09D+00	J# 1.37D+00	J# 2.34D+00	J# 2.95D+00	J# 5.04D+00	J# 6.35D+00	J# 8.61D+00	J# 1.09D+00	J# 1.37D+00	J# 2.34D+00
780.0	5.27D-01	J# 6.64D-01	J# 1.14D+00	J# 1.43D+00	J# 2.45D+00	J# 3.08D+00	J# 5.27D+00	J# 6.64D+00	J# 9.01D+00	J# 1.14D+00	J# 1.43D+00	J# 2.45D+00	J# 3.08D+00	J# 5.27D+00	J# 6.64D+00	J# 9.01D+00	J# 1.14D+00	J# 1.43D+00	J# 2.45D+00
790.0	5.51D-01	J# 6.94D-01	J# 1.19D+00	J# 1.50D+00	J# 2.56D+00	J# 3.22D+00	J# 5.51D+00	J# 6.94D+00	J# 9.42D+00	J# 1.19D+00	J# 1.50D+00	J# 2.56D+00	J# 3.22D+00	J# 5.51D+00	J# 6.94D+00	J# 9.42D+00	J# 1.19D+00	J# 1.50D+00	J# 2.56D+00
800.0	5.76D-01	J# 7.26D-01	J# 1.24D+00	J# 1.56D+00	J# 2.67D+00	J# 3.37D+00	J# 5.76D+00	J# 7.26D+00	J# 9.85D+00	J# 1.24D+00	J# 1.56D+00	J# 2.67D+00	J# 3.37D+00	J# 5.76D+00	J# 7.26D+00	J# 9.85D+00	J# 1.24D+00	J# 1.56D+00	J# 2.67D+00
810.0	6.02D-01	J# 7.59D-01	J# 1.30D+00	J# 1.64D+00	J# 2.80D+00	J# 3.52D+00	J# 6.02D+00	J# 7.59D+00	J# 1.03D+01	J# 1.30D+00	J# 1.64D+00	J# 2.80D+00	J# 3.52D+00	J# 6.02D+00	J# 7.59D+00	J# 1.03D+01	J# 1.30D+00	J# 1.64D+00	J# 2.80D+00
820.0	6.30D-01	J# 7.94D-01	J# 1.36D+00	J# 1.71D+00	J# 2.92D+00	J# 3.68D+00	J# 6.30D+00	J# 7.94D+00	J# 1.08D+01	J# 1.36D+00	J# 1.71D+00	J# 2.92D+00	J# 3.68D+00	J# 6.30D+00	J# 7.94D+00	J# 1.08D+01	J# 1.36D+00	J# 1.71D+00	J# 2.92D+00
830.0	6.59D-01	J# 8.30D-01	J# 1.42D+00	J# 1.79D+00	J# 3.06D+00	J# 3.85D+00	J# 6.59D+00	J# 8.30D+00	J# 1.13D+01	J# 1.42D+00	J# 1.79D+00	J# 3.06D+00	J# 3.85D+00	J# 6.59D+00	J# 8.30D+00	J# 1.13D+01	J# 1.42D+00	J# 1.79D+00	J# 3.06D+00
840.0	6.89D-01	J# 8.68D-01	J# 1.48D+00	J# 1.87D+00	J# 3.20D+00	J# 4.03D+00	J# 6.89D+00	J# 8.68D+00	J# 1.18D+01	J# 1.48D+00	J# 1.87D+00	J# 3.20D+00	J# 4.03D+00	J# 6.89D+00	J# 8.68D+00	J# 1.18D+01	J# 1.48D+00	J# 1.87D+00	J# 3.20D+00
850.0	7.20D-01	J# 9.08D-01	J# 1.55D+00	J# 1.96D+00	J# 3.34D+00	J# 4.21D+00	J# 7.20D+00	J# 9.08D+00	J# 1.23D+01	J# 1.55D+00	J# 1.96D+00	J# 3.34D+00	J# 4.21D+00	J# 7.20D+00	J# 9.08D+00	J# 1.23D+01	J# 1.55D+00	J# 1.96D+00	J# 3.34D+00
860.0	7.53D-01	J# 9.49D-01	J# 1.62D+00	J# 2.04D+00	J# 3.50D+00	J# 4.41D+00	J# 7.53D+00	J# 9.49D+00	J# 1.29D+01	J# 1.62D+00	J# 2.04D+00	J# 3.50D+00	J# 4.41D+00	J# 7.53D+00	J# 9.49D+00	J# 1.29D+01	J# 1.62D+00	J# 2.04D+00	J# 3.50D+00
870.0	7.88D-01	J# 9.93D-01	J# 1.70D+00	J# 2.14D+00	J# 3.66D+00	J# 4.61D+00	J# 7.88D+00	J# 9.93D+00	J# 1.35D+01	J# 1.70D+00	J# 2.14D+00	J# 3.66D+00	J# 4.61D+00	J# 7.88D+00	J# 9.93D+00	J# 1.35D+01	J# 1.70D+00	J# 2.14D+00	J# 3.66D+00
880.0	8.24D-01	J# 1.04D+00	J# 1.31D+00	J# 2.24D+00	J# 2.82D+00	J# 4.82D+00	J# 8.24D+00	J# 1.04D+01	J# 1.41D+01	J# 1.31D+00	J# 1.62D+00	J# 2.65D+00	J# 3.34D+00	J# 5.72D+00	J# 7.20D+00	J# 9.93D+00	J# 1.35D+01	J# 1.70D+00	J# 2.14D+00
890.0	8.62D-01	J# 1.09D+00	J# 1.36D+00	J# 2.34D+00	J# 2.95D+00	J# 5.04D+00	J# 8.62D+00	J# 1.09D+01	J# 1.47D+01	J# 1.36D+00	J# 1.68D+00	J# 2.78D+00	J# 3.50D+00	J# 5.98D+00	J# 7.53D+00	J# 1.29D+01	J# 1.62D+00	J# 2.20D+01	J# 2.80D+01
900.0	9.01D-01	J# 1.14D+00	J# 1.42D+00	J# 2.45D+00	J# 3.08D+00	J# 5.27D+00	J# 9.01D+00	J# 1.14D+01	J# 1.54D+01	J# 1.42D+00	J# 1.75D+00	J# 2.80D+00	J# 3.60D+00	J# 6.25D+00	J# 7.88D+00	J# 1.35D+01	J# 1.70D+01	J# 2.30D+01	J# 2.90D+01
910.0	9.42D-01	J# 1.19D+00	J# 1.50D+00	J# 2.56D+00	J# 3.22D+00	J# 5.51D+00	J# 9.42D+00	J# 1.19D+01	J# 1.61D+01	J# 1.50D+00	J# 1.82D+00	J# 2.92D+00	J# 3.72D+00	J# 6.30D+00	J# 8.01D+00	J# 1.41D+01	J# 1.77D+01	J# 2.41D+01	J# 3.00D+01
920.0	9.85D-01	J# 1.24D+00	J# 1.62D+00	J# 2.67D+00	J# 3.37D+00	J# 5.76D+00	J# 9.85D+00	J# 1.24D+01	J# 1.68D+01	J# 1.62D+00	J# 1.94D+00	J# 3.06D+00	J# 3.85D+00	J# 6.40D+00	J# 8.10D+00	J# 1.46D+01	J# 1.82D+01	J# 2.46D+01	J# 3.05D+01
930.0	1.03D+00	J# 1.30D+00	J# 1.79D+00	J# 2.80D+00	J# 3.52D+00	J# 6.02D+00	J# 1.03D+01	J# 1.30D+01	J# 1.76D+01	J# 1.30D+00	J# 1.64D+00	J# 2.80D+00	J# 3.52D+00	J# 6.02D+00	J# 7.70D+00	J# 1.51D+01	J# 1.87D+01	J# 2.51D+01	J# 3.10D+01
940.0	1.08D+00	J# 1.36D+00	J# 1.87D+00	J# 2.92D+00	J# 3.68D+00	J# 6.30D+00	J# 1.08D+01	J# 1.36D+01	J# 1.84D+01	J# 1.36D+00	J# 1.71D+00	J# 2.92D+00	J# 3.68D+00	J# 6.30D+00	J# 8.00D+00	J# 1.56D+01	J# 1.93D+01	J# 2.56D+01	J# 3.15D+01
950.0	1.13D+00	J# 1.42D+00	J# 1.96D+00	J# 3.06D+00	J# 3.85D+00	J# 6.59D+00	J# 1.13D+01	J# 1.42D+01	J# 1.93D+01	J# 1.42D+00	J# 1.79D+00	J# 3.06D+00	J# 3.85D+00	J# 6.59D+00	J# 8.30D+00	J# 1.61D+01	J# 1.98D+01	J# 2.61D+01	J# 3.20D+01
960.0	1.18D+00	J# 1.48D+00	J# 2.04D+00	J# 3.20D+00	J# 4.03D+00	J# 6.89D+00	J# 1.18D+01	J# 1.48D+01	J# 2.01D+01	J# 1.48D+00	J# 1.87D+00	J# 3.20D+00	J# 4.03D+00	J# 6.89D+00	J# 8.60D+00	J# 1.66D+01	J# 2.06D+01	J# 2.66D+01	J# 3.25D+01
970.0	1.23D+00	J# 1.55D+00	J# 2.14D+00	J# 3.34D+00	J# 4.21D+00	J# 7.20D+00	J# 1.23D+01	J# 1.55D+01	J# 2.11D+01	J# 1.55D+00	J# 1.96D+00	J# 3.34D+00	J# 4.21D+00	J# 7.20D+00	J# 8.80D+00	J# 1.71D+01	J# 2.11D+01	J# 2.71D+01	J# 3.30D+01
980.0	1.29D+00	J# 1.62D+00	J# 2.24D+00	J# 3.50D+00	J# 4.41D+00	J# 7.53D+00	J# 1.29D+01	J# 1.62D+01	J# 2.20D+01	J# 1.62D+00	J# 2.04D+00	J# 3.50D+00	J# 4.41D+00	J# 7.53D+00	J# 9.00D+00	J# 1.76D+01	J# 2.20D+01	J# 2.80D+01	J# 3.35D+01
990.0	1.35D+00	J# 1.70D+00	J# 2.34D+00	J# 3.66D+00	J# 4.61D+00	J# 7.88D+00	J# 1.35D+01	J# 1.70D+01	J# 2.30D+01	J# 1.70D+00	J# 2.14D+00	J# 3.66D+00	J# 4.61D+00	J# 7.88D+00	J# 9.20D+00	J# 1.81D+01	J# 2.30D+01	J# 2.90D+01	J# 3.40D+01
1000.0	1.41D+00	J# 1.77D+00	J# 2.45D+00	J# 3.82D+00	J# 4.82D+00	J# 8.24D+00	J# 1.41D+01	J# 1.77D+01	J# 2.41D+01	J# 1.77D+00	J# 2.14D+00	J# 3.82D+00	J# 4.82D+00	J# 8.24D+00	J# 9.40D+00	J# 1.86D+01	J# 2.30D+01	J# 2.90D+01	J# 3.40D+01
1010.0	1.47D+00	J# 1.86D+00	J# 2.56D+00	J# 4.00D+00	J# 5.27D+00	J# 8.62D+00	J# 1.47D+01	J# 1.86D+01	J# 2.52D+01	J# 1.86D+00	J# 2.34D+00	J# 3.82D+00	J# 4.82D+00	J# 8.62D+00	J# 9.60D+00	J# 1.91D+01	J# 2.30D+01	J# 2.90D+01	J# 3.40D+01
1020.0	1.54D+00	J# 1.94D+00	J# 3.06D+00	J# 4.18D+00	J# 5.51D+00	J# 9.01D+00	J# 1.54D+01	J# 1.94D+01	J# 2.63D+01	J# 1.94D+00	J# 2.45D+00	J# 3.82D+00	J# 4.82D+00	J# 9.01D+00	J# 9.80D+00	J# 1.96D+01	J# 2.30D+01	J# 2.90D+01	J# 3.40D+01
1030.0	1.61D+00	J# 2.03D+00	J# 3.47D+00	J# 4.37D+00	J# 5.76D+00	J# 9.42D+00	J# 1.61D+01	J# 2.03D+01	J# 2.75D+01	J# 2.03D+00	J# 2.56D+00	J# 3.82D+00	J# 4.82D+00	J# 9.42D+00	J# 10.00D+00	J# 2.01D+01	J# 2.30D+01	J# 2.90D+01	J# 3.40D+01
1040.0	1.68D+00	J# 2.12D+00	J# 3.63D+00	J# 4.57D+00	J# 6.02D+00	J# 9.85D+00	J# 1.68D+01	J# 2.12D+01	J# 2.88D+01	J# 2.12D+00	J# 2.65D+00	J# 3.82D+00	J# 4.82D+00	J# 9.85D+00	J# 10.20D+00	J# 2.06D+01	J# 2.30D+01	J# 2.90D+01	J# 3.40D+01
1050.0	1.76D+00	J# 2.22D+00	J# 3.80D+00	J# 4.78D+00	J# 6.25D+00	J# 10.30D+00	J# 1.76D+01	J# 2.22D+01	J# 3.01D+01	J# 2.22D+00	J# 2.78D+00	J# 3.82D+00	J# 4.82D+00	J# 10.30D+00	J# 10.40D+00	J# 2.11D+01	J# 2.30D+01	J# 2.90D+01	J# 3.40D+01
1060-1400	1.84D+00	J# 2.32D+00	J# 3.97D+00	J# 5.00D+00	J# 6.55D+00	J# 10.80D+00	J# 1.84D+01	J# 2.32D+01	J# 3.15D+01	J# 2.32D+00	J# 2.88D+00	J# 3.82D+00	J# 4.82D+00	J# 10.80D+00	J# 10.60D+00	J# 2.16D+01	J# 2.30D+01	J# 2.90D+01	J# 3.40D+01

TABLE 8C

WAVELENGTH RANGE - 700 THRU 1400

SAMPLING INTERVAL IN SECONDS

WAVELENGTH IN NANOMETERS	0		1		2		3		4		
	1.0 X 10	5.0 X 10	1.0 X 10	5.0 X 10	1.0 X 10	1.0 X 10	1.0 X 10	1.0 X 10	>1.0 X 10	4	
710.0	1.05D+01	J# 1.79D+01	J# 2.25D+01	J# 2.09D+01	J# 2.09D+01	J# 2.28D+01	J# 2.28D+02	J# 2.28D+02	J# 2.28D+02	J# 2.28D-02	W#
720.0	1.09D+01	J# 1.87D+01	J# 2.36D+01	J# 2.19D+01	J# 2.19D+01	J# 4.55D+01	J# 4.55D+02	J# 4.55D+02	J# 4.55D+02	J# 4.55D-02	W#
730.0	1.14D+01	J# 1.96D+01	J# 2.46D+01	J# 2.29D+01	J# 2.29D+01	J# 7.02D+01	J# 7.02D+02	J# 7.02D+02	J# 7.02D+02	J# 7.02D-02	W#
740.0	1.20D+01	J# 2.04D+01	J# 2.58D+01	J# 2.39D+01	J# 2.39D+01	J# 9.71D+01	J# 9.71D+02	J# 9.71D+02	J# 9.71D+02	J# 9.71D-02	W#
750.0	1.25D+01	J# 2.14D+01	J# 2.69D+01	J# 2.50D+01	J# 2.50D+01	J# 1.26D+02	J# 1.26D+03	J# 1.26D+03	J# 1.26D+03	J# 1.26D-01	W#
760.0	1.31D+01	J# 2.24D+01	J# 2.82D+01	J# 2.62D+01	J# 2.62D+01	J# 1.58D+02	J# 1.58D+03	J# 1.58D+03	J# 1.58D+03	J# 1.58D-01	W#
770.0	1.37D+01	J# 2.34D+01	J# 2.95D+01	J# 2.73D+01	J# 2.73D+01	J# 1.92D+02	J# 1.92D+03	J# 1.92D+03	J# 1.92D+03	J# 1.92D-01	W#
780.0	1.43D+01	J# 2.45D+01	J# 3.08D+01	J# 2.86D+01	J# 2.86D+01	J# 2.29D+02	J# 2.29D+03	J# 2.29D+03	J# 2.29D+03	J# 2.29D-01	W#
790.0	1.50D+01	J# 2.56D+01	J# 3.22D+01	J# 2.99D+01	J# 2.99D+01	J# 2.69D+02	J# 2.69D+03	J# 2.69D+03	J# 2.69D+03	J# 2.69D-01	W#
800.0	1.56D+01	J# 2.67D+01	J# 3.37D+01	J# 3.13D+01	J# 3.13D+01	J# 3.13D+02	J# 3.13D+03	J# 3.13D+03	J# 3.13D+03	J# 3.13D-01	W#
810.0	1.64D+01	J# 2.80D+01	J# 3.52D+01	J# 3.27D+01	J# 3.27D+01	J# 3.27D+02	J# 3.27D+03	J# 3.27D+03	J# 3.27D+03	J# 3.27D-01	W#
820.0	1.71D+01	J# 2.92D+01	J# 3.68D+01	J# 3.42D+01	J# 3.42D+01	J# 3.42D+02	J# 3.42D+03	J# 3.42D+03	J# 3.42D+03	J# 3.42D-01	W#
830.0	1.79D+01	J# 3.06D+01	J# 3.85D+01	J# 3.58D+01	J# 3.58D+01	J# 3.58D+02	J# 3.58D+03	J# 3.58D+03	J# 3.58D+03	J# 3.58D-01	W#
840.0	1.87D+01	J# 3.20D+01	J# 4.03D+01	J# 3.74D+01	J# 3.74D+01	J# 3.74D+02	J# 3.74D+03	J# 3.74D+03	J# 3.74D+03	J# 3.74D-01	W#
850.0	1.96D+01	J# 3.34D+01	J# 4.21D+01	J# 3.91D+01	J# 3.91D+01	J# 3.91D+02	J# 3.91D+03	J# 3.91D+03	J# 3.91D+03	J# 3.91D-01	W#
860.0	2.04D+01	J# 3.50D+01	J# 4.41D+01	J# 4.09D+01	J# 4.09D+01	J# 4.09D+02	J# 4.09D+03	J# 4.09D+03	J# 4.09D+03	J# 4.09D-01	W#
870.0	2.14D+01	J# 3.66D+01	J# 4.61D+01	J# 4.28D+01	J# 4.28D+01	J# 4.28D+02	J# 4.28D+03	J# 4.28D+03	J# 4.28D+03	J# 4.28D-01	W#
880.0	2.24D+01	J# 3.82D+01	J# 4.82D+01	J# 4.47D+01	J# 4.47D+01	J# 4.47D+02	J# 4.47D+03	J# 4.47D+03	J# 4.47D+03	J# 4.47D-01	W#
890.0	2.34D+01	J# 4.00D+01	J# 5.04D+01	J# 4.68D+01	J# 4.68D+01	J# 4.68D+02	J# 4.68D+03	J# 4.68D+03	J# 4.68D+03	J# 4.68D-01	W#
900.0	2.45D+01	J# 4.18D+01	J# 5.27D+01	J# 4.89D+01	J# 4.89D+01	J# 4.89D+02	J# 4.89D+03	J# 4.89D+03	J# 4.89D+03	J# 4.89D-01	W#
910.0	2.56D+01	J# 4.37D+01	J# 5.51D+01	J# 5.11D+01	J# 5.11D+01	J# 5.11D+02	J# 5.11D+03	J# 5.11D+03	J# 5.11D+03	J# 5.11D-01	W#
920.0	2.67D+01	J# 4.57D+01	J# 5.76D+01	J# 5.35D+01	J# 5.35D+01	J# 5.35D+02	J# 5.35D+03	J# 5.35D+03	J# 5.35D+03	J# 5.35D-01	W#
930.0	2.80D+01	J# 4.78D+01	J# 6.02D+01	J# 5.59D+01	J# 5.59D+01	J# 5.59D+02	J# 5.59D+03	J# 5.59D+03	J# 5.59D+03	J# 5.59D-01	W#
940.0	2.92D+01	J# 5.00D+01	J# 6.30D+01	J# 5.85D+01	J# 5.85D+01	J# 5.85D+02	J# 5.85D+03	J# 5.85D+03	J# 5.85D+03	J# 5.85D-01	W#
950.0	3.06D+01	J# 5.23D+01	J# 6.59D+01	J# 6.12D+01	J# 6.12D+01	J# 6.12D+02	J# 6.12D+03	J# 6.12D+03	J# 6.12D+03	J# 6.12D-01	W#
960.0	3.20D+01	J# 5.47D+01	J# 6.89D+01	J# 6.40D+01	J# 6.40D+01	J# 6.40D+02	J# 6.40D+03	J# 6.40D+03	J# 6.40D+03	J# 6.40D-01	W#
970.0	3.34D+01	J# 5.72D+01	J# 7.20D+01	J# 6.69D+01	J# 6.69D+01	J# 6.69D+02	J# 6.69D+03	J# 6.69D+03	J# 6.69D+03	J# 6.69D-01	W#
980.0	3.50D+01	J# 5.98D+01	J# 7.53D+01	J# 6.99D+01	J# 6.99D+01	J# 6.99D+02	J# 6.99D+03	J# 6.99D+03	J# 6.99D+03	J# 6.99D-01	W#
990.0	3.66D+01	J# 6.25D+01	J# 7.88D+01	J# 7.31D+01	J# 7.31D+01	J# 7.31D+02	J# 7.31D+03	J# 7.31D+03	J# 7.31D+03	J# 7.31D-01	W#
1000.0	3.82D+01	J# 6.54D+01	J# 8.24D+01	J# 7.65D+01	J# 7.65D+01	J# 7.65D+02	J# 7.65D+03	J# 7.65D+03	J# 7.65D+03	J# 7.65D-01	W#
1010.0	4.00D+01	J# 6.84D+01	J# 8.62D+01	J# 8.00D+01	J# 8.00D+01	J# 8.00D+02	J# 8.00D+03	J# 8.00D+03	J# 8.00D+03	J# 8.00D-01	W#
1020.0	4.18D+01	J# 7.15D+01	J# 9.01D+01	J# 8.36D+01	J# 8.36D+01	J# 8.36D+02	J# 8.36D+03	J# 8.36D+03	J# 8.36D+03	J# 8.36D-01	W#
1030.0	4.37D+01	J# 7.48D+01	J# 9.42D+01	J# 8.75D+01	J# 8.75D+01	J# 8.75D+02	J# 8.75D+03	J# 8.75D+03	J# 8.75D+03	J# 8.75D-01	W#
1040.0	4.57D+01	J# 7.82D+01	J# 9.85D+01	J# 9.15D+01	J# 9.15D+01	J# 9.15D+02	J# 9.15D+03	J# 9.15D+03	J# 9.15D+03	J# 9.15D-01	W#
1050.0	4.78D+01	J# 8.18D+01	J# 1.03D+02	J# 9.56D+01	J# 9.56D+01	J# 9.56D+02	J# 9.56D+03	J# 9.56D+03	J# 9.56D+03	J# 9.56D-01	W#
1060-1400	5.00D+01	J# 8.55D+01	J# 1.08D+02	J# 1.00D+02	J# 1.00D+02	J# 1.00D+02	J# 1.00D+03	J# 1.00D+04	J# 1.00D+04	J# 1.00D+00	W#

43