This file is produced when external lamp, like calibration lamp, is used.

Excerpts from *"Brewer MKIV Spectrophotometer Operator's Manual OM-BA-C231 REV B"*, August 15, 1999 (page 77-78)

XLJJJYY.nnn - Extended Lamp Scan

#	Example	Name
1	Integration time is 0.2294 seconds per cycle	Integration time
2	dt 3.4E-08	dead time
3	cy 1	number of slit mask cycles
4	le 154	Increments in the 290-325 nm region
5	ln 608	lamp serial number
6	di 5	distance between filament and Teflon diffuser
7	dh	data header
8	15	Day
9	01	Month
10	99	Year
11	Saskatoon	Location
12	52.108	Latitude
13	106.713	Longitude
14	3.43	PMT temperature (Volts)
15	pr	Pressure header
16	960 Dark	Pressure (milli bars) and Dark Count Header
17	1	dark count
18	960.8	decimal minutes since 00:00 hours
19	2865	Wavelength (Angstrom)
20	256	micrometer step number
21	121.1	raw counts
22		lines 18-21 repeat for wavelengths from 2865A to 3630A in 5A increments
...		
633	end	End of measurement

Note 2

Note 3

Note 1

The file is not annotated. The example of a file fragment is given below:

```
Integration time is 0.2294 seconds per cycle
dt  4.2E-08
cy 1
le  154
ln h-033 T
di  50
dh
01
08
06
Boulder
 40.126
 105.238
 3.35
pr
830DARK
.575
1077.26
 2865
 295
 90.03
 1077.43
 2870
 360
 93.8
 1077.58
 2875
 426
 100.3
 1077.74
 2880
 492
 106.56
```

Note 1: Counts are normalized by number of cycles [cpc] in the file. Actually cy=40 for dark measurement and cy=30 for λ<300nm and cy=20 for λ>=300nm.

Note 2: To obtain temperature in Celsius from voltage (line 14):

t = -33.27 + volts * 18.64

Note 3: Times are in minutes since GMT midnight.