

Main photometer commands

Put the photometer in manual mode

Wait the photometer doesn't do measurements
If the photometer display is Off, press on a touch

```
31/03/02 23:59
PW AUTORUN VIEW
```

Press on [G] (PW) :

```
23:59:59 PW 0
Pass Word - +
```

Do pass word : PW = 4 (old photometer) or 1 (new photometer)
[R] increase. [Y] decrease.

```
23:59:59 PW 4 (1)
Pass Word - +
```

For the PW=1 (new photometer) :

```
23:59:59
RTN INI DAT CFG
```

In this case, do CFG [R] puis PAR [R]
Then in the 2 case PW=4 or PW=1, one presone on [G] allow to go at menu AUTO

```
AUTO YES
OK - +
```

then on [Y] or [R] to change the value-->NO

```
AUTO NO
OK - +
```

Press on Ok [G]

```
Valid ?
No Yes
```

Validate Yes [R]

```
31/12/93 23:59
PW MAN SCN VIEW
```

Put the photometer in Automatic mode

If the photometer display is off, push on one touch.

```
31/03/02 23:59
PW MAN SCN VIEW
```

PW [G]

```
23:59:59 PW 0
Pass Word - +
```

Put the pass word: PW = 4 ou 1
[R] increase. [Y] decrease.

```
23:59:59 PW 4 (1)
Pass Word - +
```

press on [G] allow to go at menu AUTO

```
AUTO NO
OK - +
```

then on [Y] or [R] to change the value-->YES

```
AUTO YES
OK - +
```

Push on Ok [G]

```
Valid ?
No Yes
```

Then press yes [R]

```
31/12/93 23:59
PW AUTORUN VIEW
```

Change coordonate GPS:

Put the photometer in manual mode
If the photometer display is off, push one touch.

```
31/03/02 10:59
PW MAN SCN VIEW
```

PW [G]

```
10:59:59 PW 0
Pass Word - +
```

Put the pass word pw = 1
[R] increase. [Y] decrease.

```
10: 59: 59 PW 1
Pass Word - +
```

One presone on [G] allow to go at next menu

```
10: 59: 59
RTN INI DAT CFG
```

push on CFG [R]

```
10: 59: 59
RTN INFED DCP PAR
```

Push on PAR [R]

```
Coutry xx
OK X - +
```

Push on X [W]

District...

push on X [W]

Number....

push on X [W]

SKY/max...

push on X [W]

(Be careful) à do not modifie all parameters. If it was the case, Do not validate at the

end of the procedur (No)

push on X [W]

....

Pus on X [W] until

```
Lat mn xx
OK X - +
```

Put the latitude in minute
Ex :pour 26°20' enter 26x60+20=1580

[R] increase. [Y] decrease.

Then push on X [W]

```
Long HH E x
OK X - +
```

Put the longitude in angthe hour (here the hour HH)

In absolute value and E or W at the end.

1h<=>15°d'arc 4min<=>1° 4sec <=>1' et 1sec<=>15"

Ex: longitude = 30°32' Long HH=2; Long MM=2 et Long SS=8.

See also the soft to calculate CIM_LAT1.xls

(or on : <http://aeronet.gsfc.nasa.gov/Operational/lat2.html>)

[R] increase. [Y] decrease.

Then push on X [W]

```
Long MM xx
OK X - +
```

the longitude in angthe solar (here the mn in MM)

[R] increase. [Y] decrease.

Then push on X [W]

```
Long SS xx
OK X - +
```

the longitude in angthe solar horaire (here the secondes SS)

[R] increase. [Y] decrease.

Then push on OK [G]

```
Valid ?
No Yes
```

validate Yes [R]

```
10: 59: 59
RTN INI DAT CFG
```

Then RTN [G]

```
31/03/02 10:59
PW MAN SCN VIEW
```

Change time TU and the date

Put photometer in manuel mode

If the photometer est en veilthe, push on n'importe quelthe touche.

31/03/02 10:59
PW MAN SCN VIEW

PW [G]

10:59:59 PW 0
Pass Word - +

Put the mot de passe: PW = 1

[R] increase. [Y] decrease.

10: 59: 59 PW 1
Pass Word - +

One pressure on [G] allow to go at next menu

10: 59: 59
RTN INI DAT CFG

Push on DAT [Y]

Year : 2
OK X - +

2 for 2002

Push on X [W]

Month : 4
OK X - +

4 for April

Push on X [W]

Day : 1
OK X - +

1 for the firs day

For change [R] increase. [Y] decrease.

Push on X [W]

Hour : 15
OK X - +

15 hours TU

To change [R] increase. [Y] decrease.

Push on X [W]

Minute : 50
OK X - +

50 mn TU

To change [R] increase. [Y] decrease.

Wait the exact mn to press ok [G]

15: 50: 01
RTN INI DAT CFG

Puis RTN [G]

01/04/02 15:50
PW MAN SCN VIEW

Consultation of l'H, BAT... cmde VIEW

If the photometer display is off, push on one touch

31/03/02 10:59
PW MAN SCN VIEW
Ou PW AUTORUN VIEW

VIEW [R]

31/03/02 10:59
RTN BAT CART MEM

One pressure on [W] allows to go at menu internal battery

10:59:59 Ba 5.21

Push on [R] increase. ([Y] decrease.)

10:59:59 T -10.5

It' the temperature ,inside the head photometer

Push on [R] increase. ([Y] decrease.)

10:59:59 HH 0

0 when the wet sensor is dry and when the wet sensor is wet.

The wet sensor don't detect the snow whenthe temperatureis negativs, you need to stop the photometer in this case.

Push on [R] increase. ([Y] decrease.)

10:59:59 SK 0

then SKY of detector SKY without matter

Push on [R] increase. ([Y] decrease.)

10:59:59 SN 0

then SUN of detector SUN without matter

Push on [R] increase. And we return to BAT

push on RTN [G] to leave

31/03/02 10:59
PW MAN SCN VIEW

Do a GOSUN or a Park:

The photometer need to be in manuel mode.

If the photometer display is off, push on one touch.

31/03/02 10:59
PW MAN SCN VIEW

Push on SCN [Y]:

<- 0.0-> 0.0^
RTN GO - + OFF

Push on + [R] pour increase.

<- 0.0-> 0.0^
RTN GO - + PARK

Then GO [W] to launch the Park

To do a GOSUN

Push also on + [R] to increase.

<- 0.0-> 0.0^
RTN GO - + GOSUN

Then GO [W] to launch lancer the GOSUN

Push on RTN [G] to leave

31/03/02 10:59
PW MAN SCN VIEW

Send data to the PC:

The photometer need to be in manuel mode.

The photometer need to be pluged in a PC with the long cable DCP

On the PC, ASTPWIN need to be launched and connect (1200 bauds)

If the photometer display is off, push on one touch.

31/03/02 10:59
PW MAN SCN VIEW

Push on SCN [W]:

<- 0.0-> 0.0^
RTN GO - + OFF

Push on - [Y] to decrease.

<- 0.0-> 0.0^
RTN GO - + CALIBR

Push on - [Y] to decrease.

<- 0.0-> 0.0^
RTN GO - + PC

Then GO [W] to launch the transmission towards the PC

push on RTN to leave [G]

31/03/02 10:59
PW MAN SCN VIEW