

LogTag Recorders

LogTag

Multi-use Temperature Recorder Model TRIX-8

- Measurement Range -40°C to +85°C
- Accuracy better than 0.5°C
- Resolution 0.1°C
- Visual indication of Alert or OK without access to a computer
- Data download typically less than 5 secs for 8000 readings
- Battery Life 2-3 years or longer if hibernated between use
- High level of data integrity
- Listed by WHO under PQS E6/05
- Size 86mm x 54.5mm x 8.6mm



LogTag

Single use Temperature Recorder Model SRIC-4

- Measurement Range -25°C to +60°C
- Accuracy better than 0.5°C
- Resolution 0.1°C
- Visual indication of Alert or OK without access to a computer
- Data download typically less than 4 secs for 4000 readings
- Battery Life 6 months operating
- High level of data integrity
- Size 77.6mm x 54.5mm x 8.6mm



LogTag

Multi-use Temperature Recorder with remote sensor Model TREX-8

- Measurement Range -40°C to +99°C
- Accuracy better than 0.5°C
- Resolution 0.1°C
- Visual indication of Alert or OK without access to a computer
- Data download typically less than 5 secs for 8000 readings
- Battery Life 2-3 years or longer if hibernated between use
- Six probe options for various applications



LogTag

Multi-use Humidity & Temperature Recorder Model HAXO-8

- Temp measurement range -40°C to +85°C
- Humidity measurement range 0-100% RH
- Resolution 0.1°C/0.1% RH
- Holds 8000 pairs of temp/humidity readings
- Alert indicator for temp and humidity
- Data download typically less than 8 secs for 8000 readings
- Battery Life 2 years
- Replaceable dust filter



LogTag

30 Day Pharmaceutical Storage Temperature Recorder with display

Model TRID30-7X

- Continuous Recording, 30 day display
- Holds up to 7700 readings
- Meets WHO PQS E06/TR06
- Measurement Range -30°C to +60°C
- Accuracy better than 0.5°C
- Resolution 0.1°C
- 30sec – several hours sampling interval
- User replaceable battery
- Alarm condition shown on display
- Data can be viewed without access to a computer



LogTag

Probe-less Low Temperature Recorder For use with Dry-Ice Model TRIL-8

- Single or Multi-use versions available
- Holds up to 8000 readings
- Measurement Range -80°C to $+40^{\circ}\text{C}$
- Resolution 0.5°C
- 1 min to several hours sampling interval
- Visual indication of Alert or OK without access to a computer
- Data download typically less than 5 secs for 8000 readings
- Battery suitable for up to 3 trips of 2 weeks duration over a 2 year period



LogTag

Low Temperature Recorder with Probe for use with Dry-Ice

Model TREL-8

- Multi-use recorder
- Holds up to 8000 readings
- Measurement Range -80°C to +40°C
- Resolution 0.5°C
- 1 min to several hours sampling interval
- Visual indication of Alert or OK without access to a computer
- Data download typically less than 5 secs for 8000 readings
- Battery Life 2-3 years



LogTag

10 Day Transit Pharmaceutical Temperature Recorder with display Model TRID10-xx

- 10-day Single Trip Recording
- Measurement Range -20°C to +55°C
- Accuracy better than 0.5°C
- Resolution 0.1°C
- 30 min sampling interval
- Factory pre-set alert limits
- Alarm condition shown on display
- Data can be viewed without access to a computer



LogTag

Temperature Indicator Model TDIC-2

- Single use Indicator
- Measurement Range -25°C to +60°C
- Accuracy +/-0.5°C
- Resolution 0.1°C
- 6 minute sampling interval
- Visual indication of OK, Warning or Reject
- Preset thresholds – two high temp and two low temp
- Preset Start delay
- Battery Life up to 2 years



LogTag

Temperature Recorder with built-in USB Interface

Model UTRIX-16

- Multiple use recorder with USB plug
- Holds up to 16,000 readings
- Measurement Range -40°C to $+85^{\circ}\text{C}$
- Accuracy $\pm 0.5^{\circ}\text{C}$
- Resolution 0.1°C
- 15 secs - 18 hours sampling interval
- Visual indication of OK, Warning or Reject
- User replaceable battery



LogTag Interface Cradle



- Robust design
- Direct connection to PC
- USB or RS232 versions available
- Gold plated contacts
- Accepts all LogTag recorder products



LogTag

Analyzer Software

- Easy and intuitive to use
- Automatic recorder download and file save
- Display Chart, Table or Summary
- Supports multiple interfaces
- Supports automatic data transfer via email or FTP
- Multiple charts can be displayed for comparison

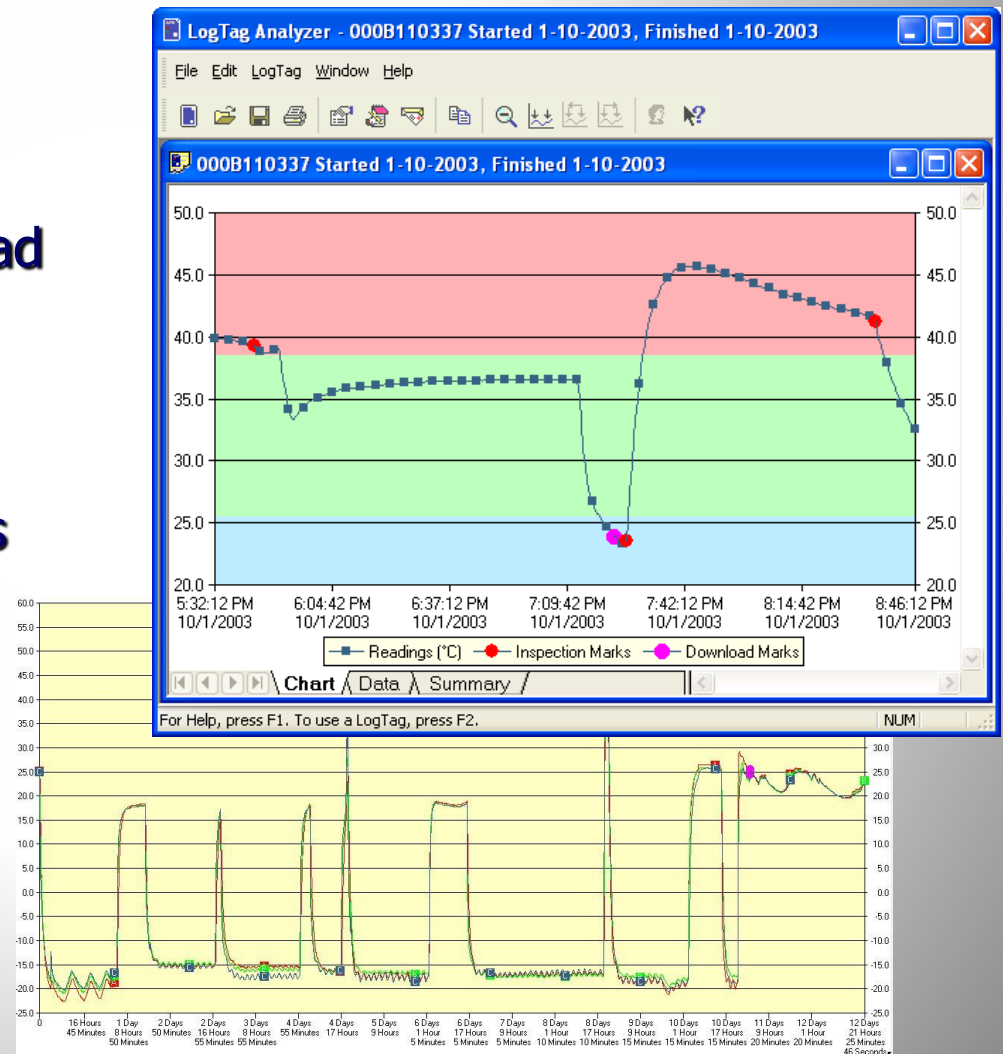
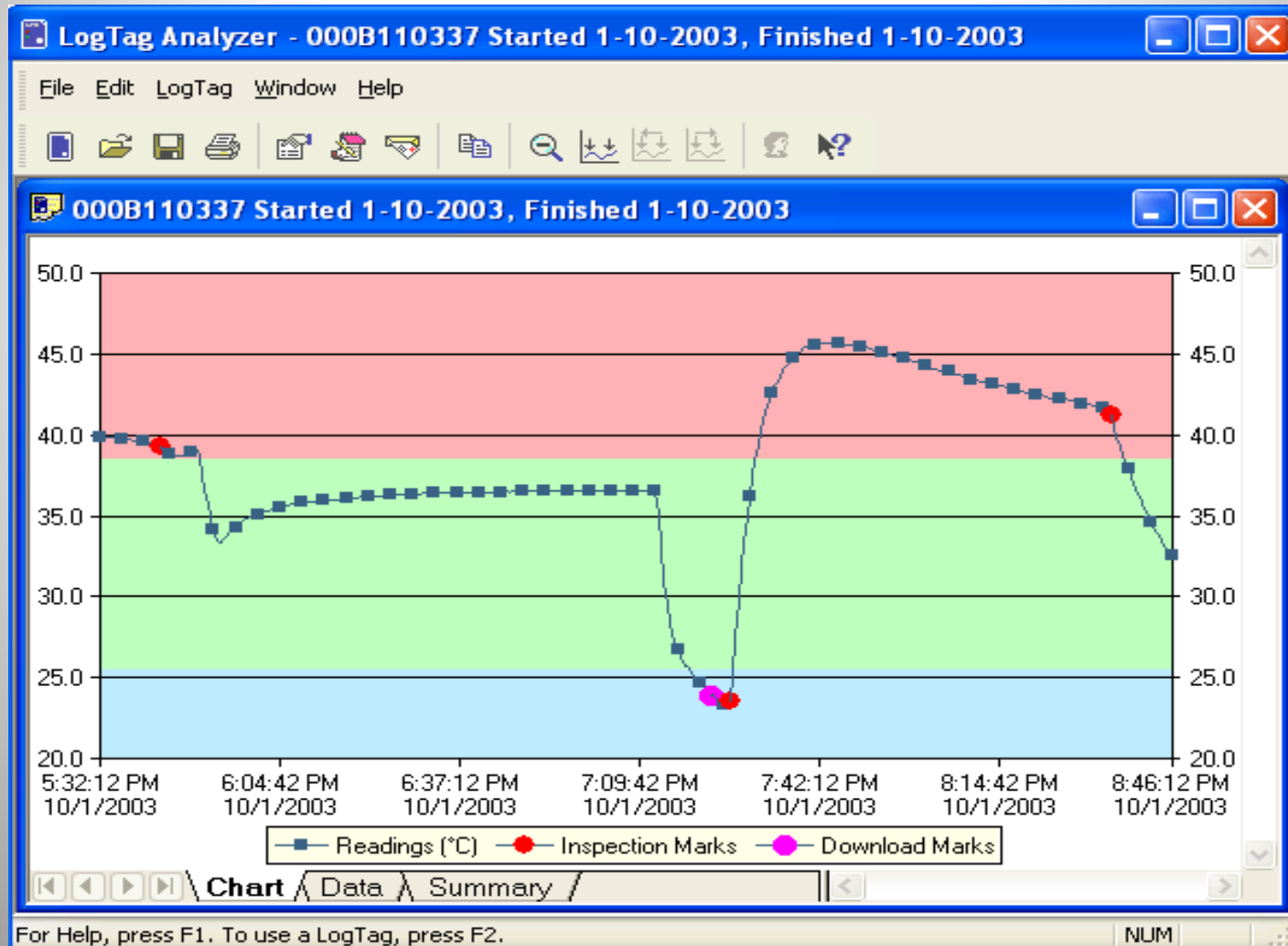


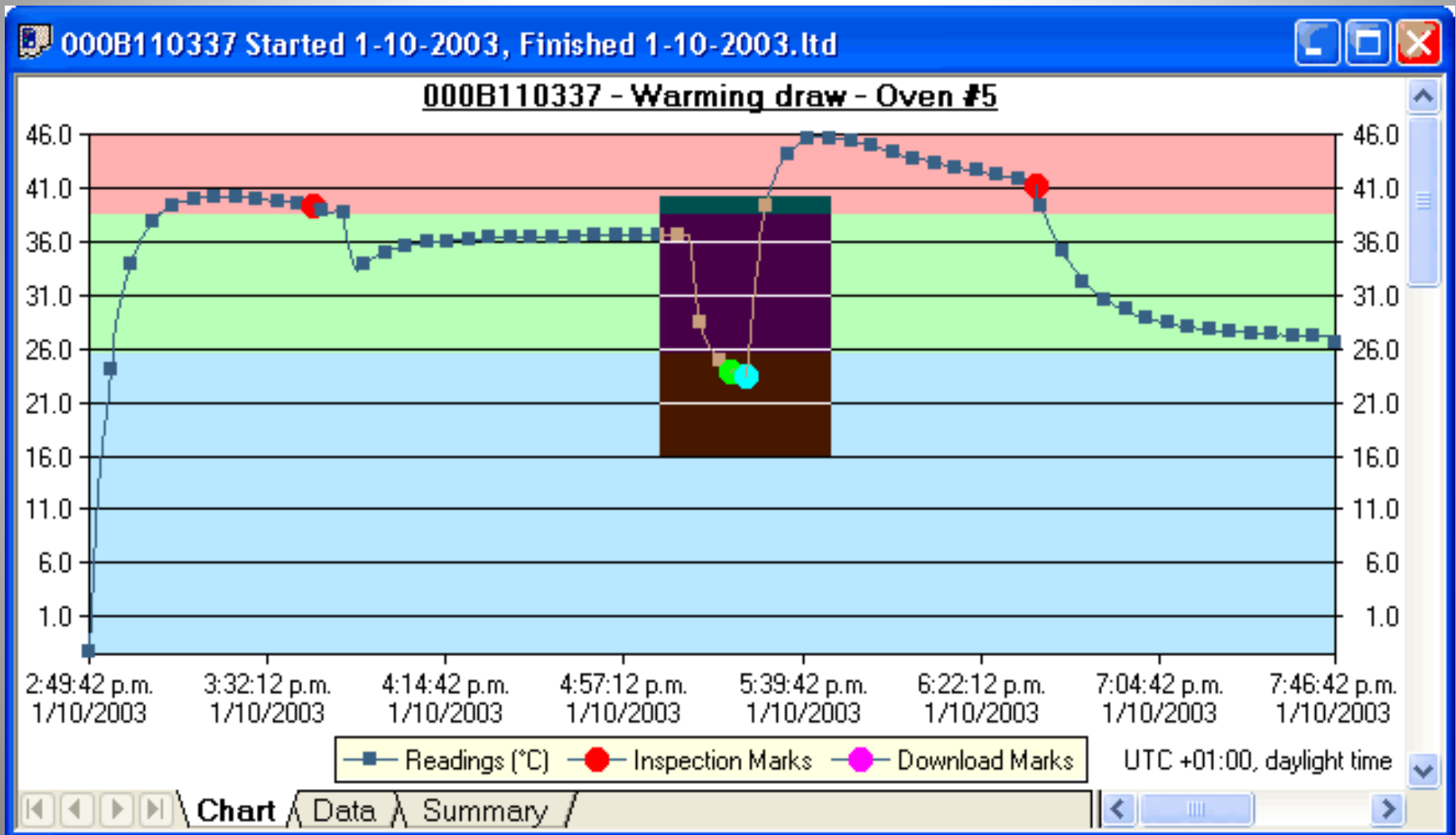
Chart example

- In default configuration, LogTag Analyzer will display downloaded or file opened data as a chart. The red colour area represents the region above the configured upper alert limit. The blue colour area is the region below the lower alert limit and the green is the 'OK' region in between.



Zoom example

- Zooming into an area of interest on the chart ..



Configure example

- Example configuration screen for HAXO-8 is shown below...

LogTag

Action List

- ✓ 1. Welcome and general instructions
- ✓ 2. Locate LogTag(s), download and save relevant data
- ▶ 3. Configure LogTag(s) for next use
- 4. Prepare LogTag(s) for next use

User ID:

☒ Enable pre-start logging

☐ Record readings continuously, overwrite oldest when memory full

☒ Record readings so that:

Readings recorded will span at least days

Number of readings to record maximum is 8003

Record a reading every Minutes

Begin recording after a delay of Minutes

☒ Enable the OK (Green) indicator

Humidity **Temperature**

☒ Enable the Alert (Red) indicator, when:

Readings below or above %RH.

☒ After consecutive alert readings (2 Hours)

☐ After alert readings have occurred (None)

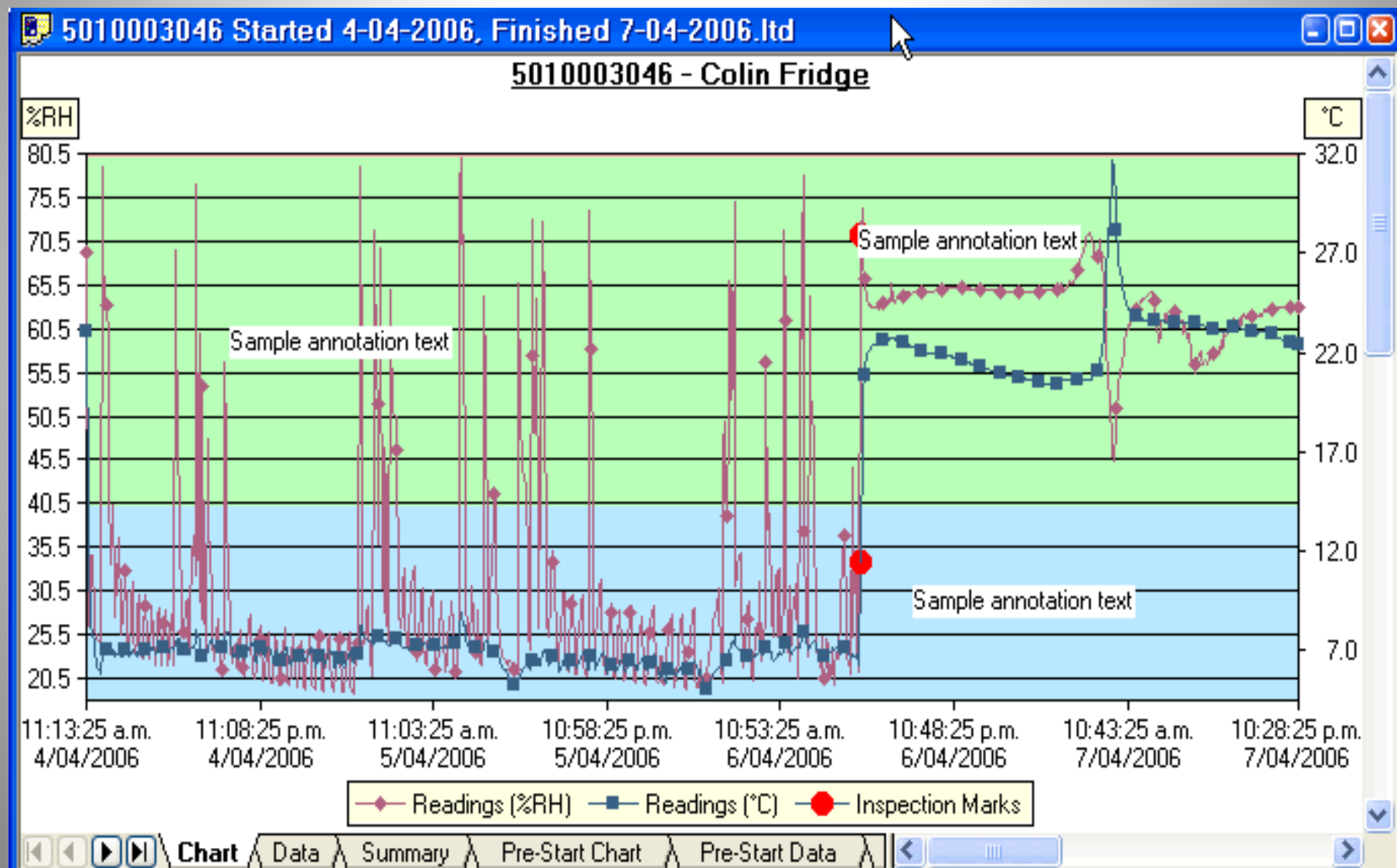
☒ Leave alert indicator enabled even if readings return within alert range

☐ Clear and reset alert when START MARK button pressed

☒ Configure requires a password

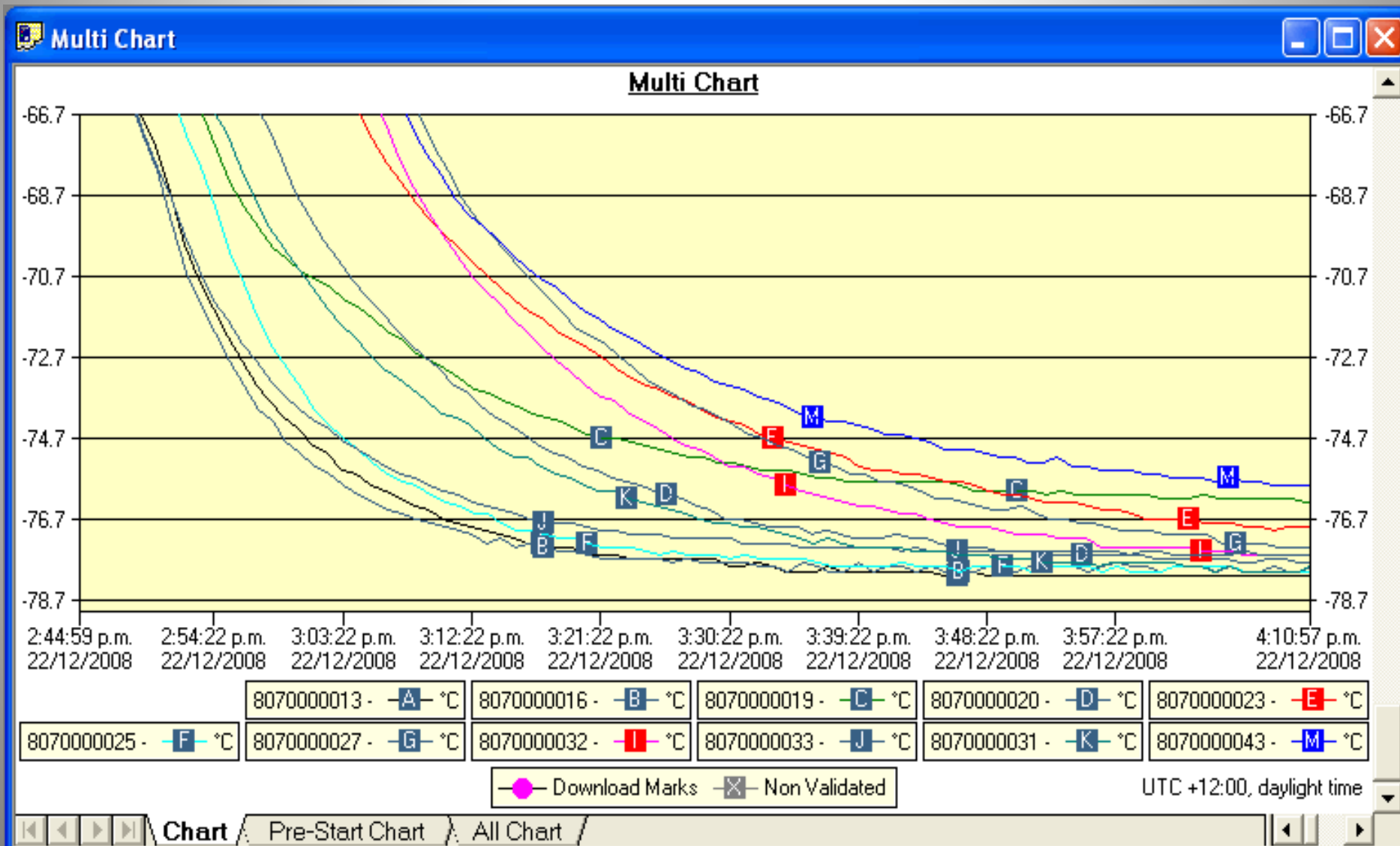
Chart annotations

- Annotations can be easily added to a Chart ..



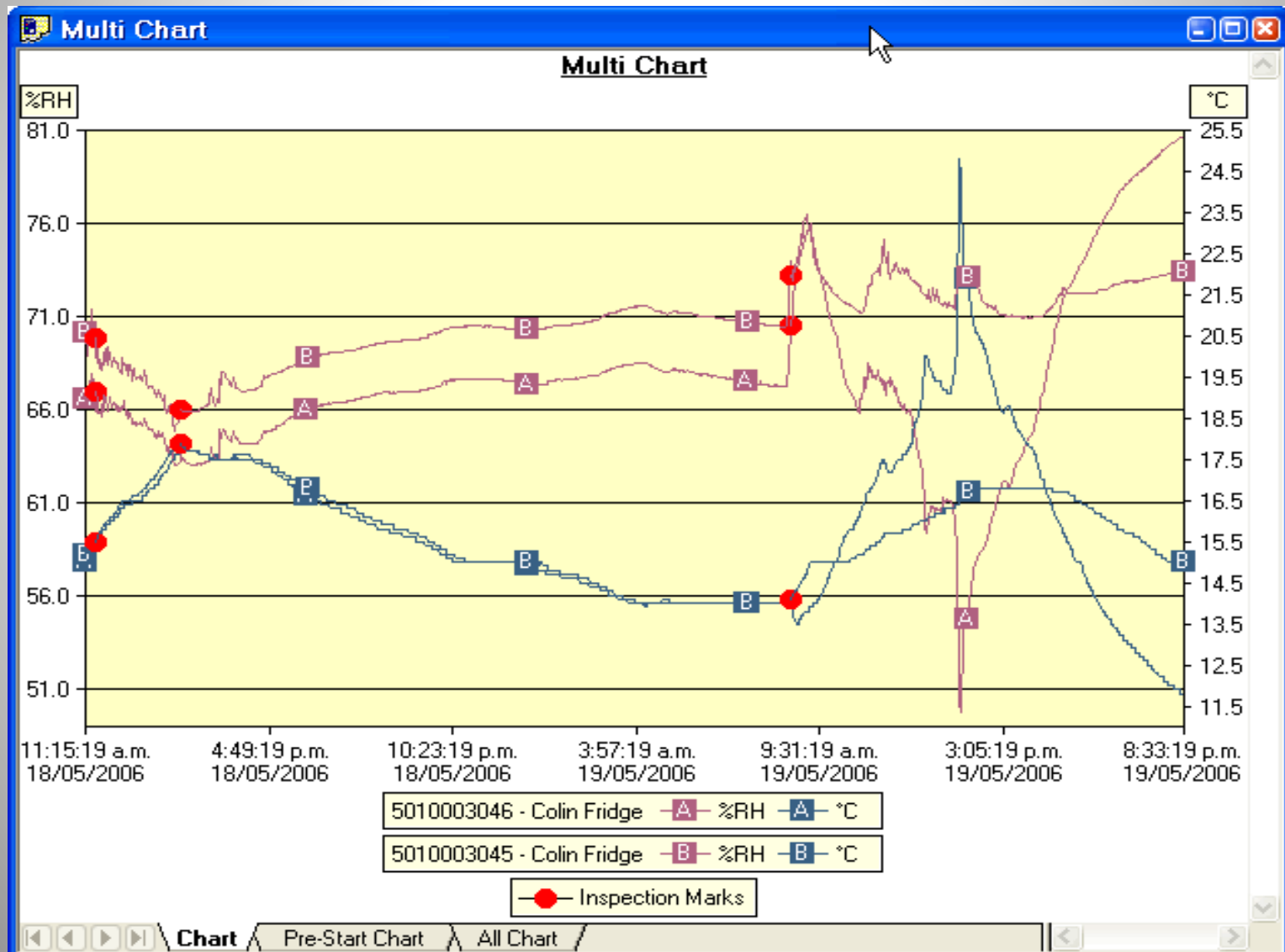
Multi Chart 1

- Charting multi LogTag data on a single chart is a useful tool for comparison analysis



Multi Chart 2

- Multi-Chart example with two Humidity & Temperature recorders



LogTag

Production

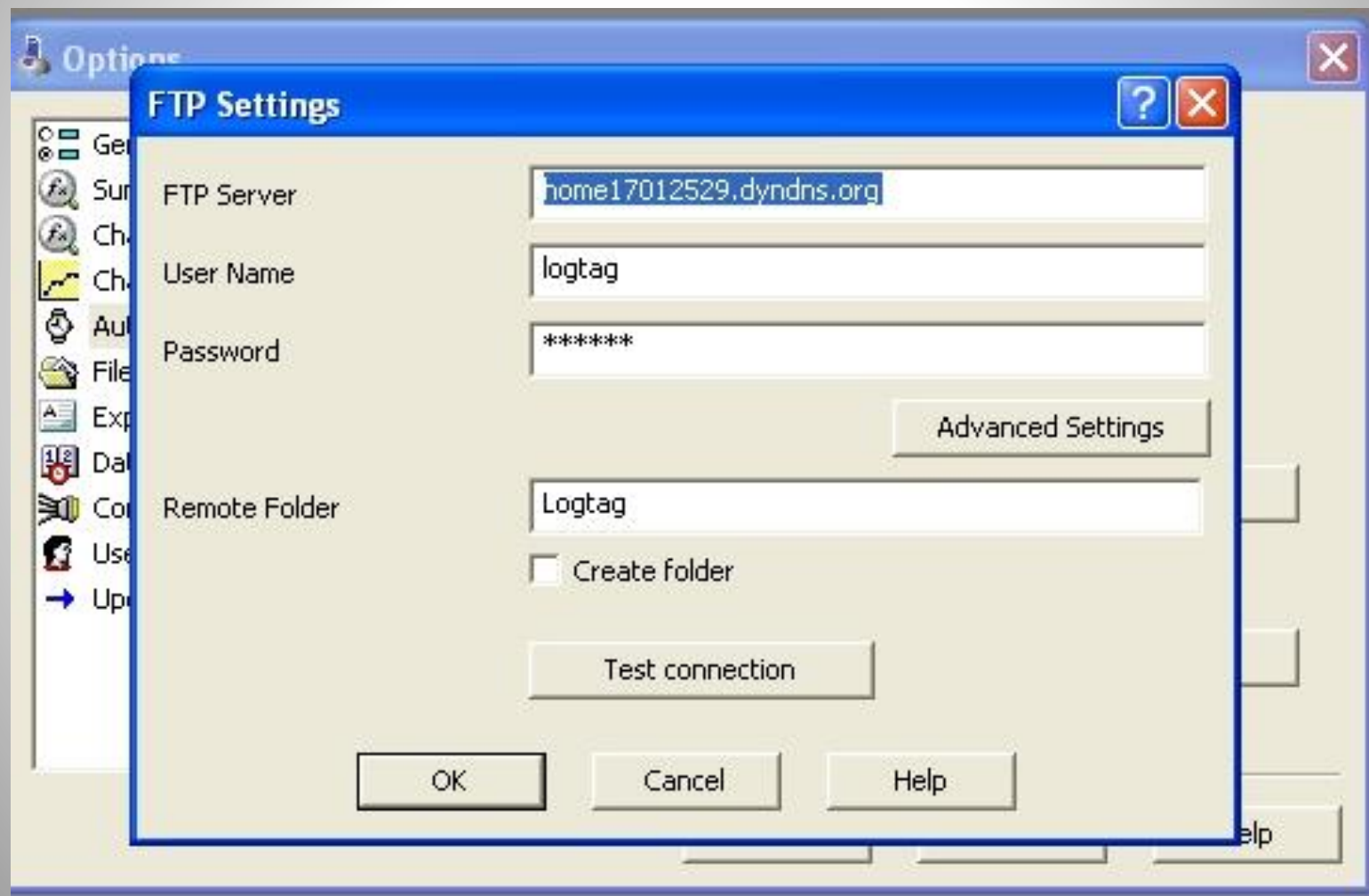


- All products are 100% tested and calibrated
- All recorders are final tested in temperature stress cycling for 3 days.
- Factory processes audited and certified to ISO-9001:2000
- All products are subject to automatic computer controlled testing and full manufacturing traceability is maintained.

LogTag Recorders Ltd

- Full technical support is available from New Zealand
- Responsive and flexible to fulfilling customer requirements
- Product Quality and Reliability is our #1 priority
- Globally Competitive

FTP setting



Email setting

E-mail and SMTP Settings

SMTP Server: mail.dixellasia.com

☐ SSL Advanced Settings

Authentication

☒ Use name and password

User Name: logtag+dixellasia.com

Password: *****

Sender information

Name: Anurak.k@dksh.com

E-mail: Anurak.k@dksh.com

Recipients

Name	E-Mail
Logtag	logtag@dixellasia....

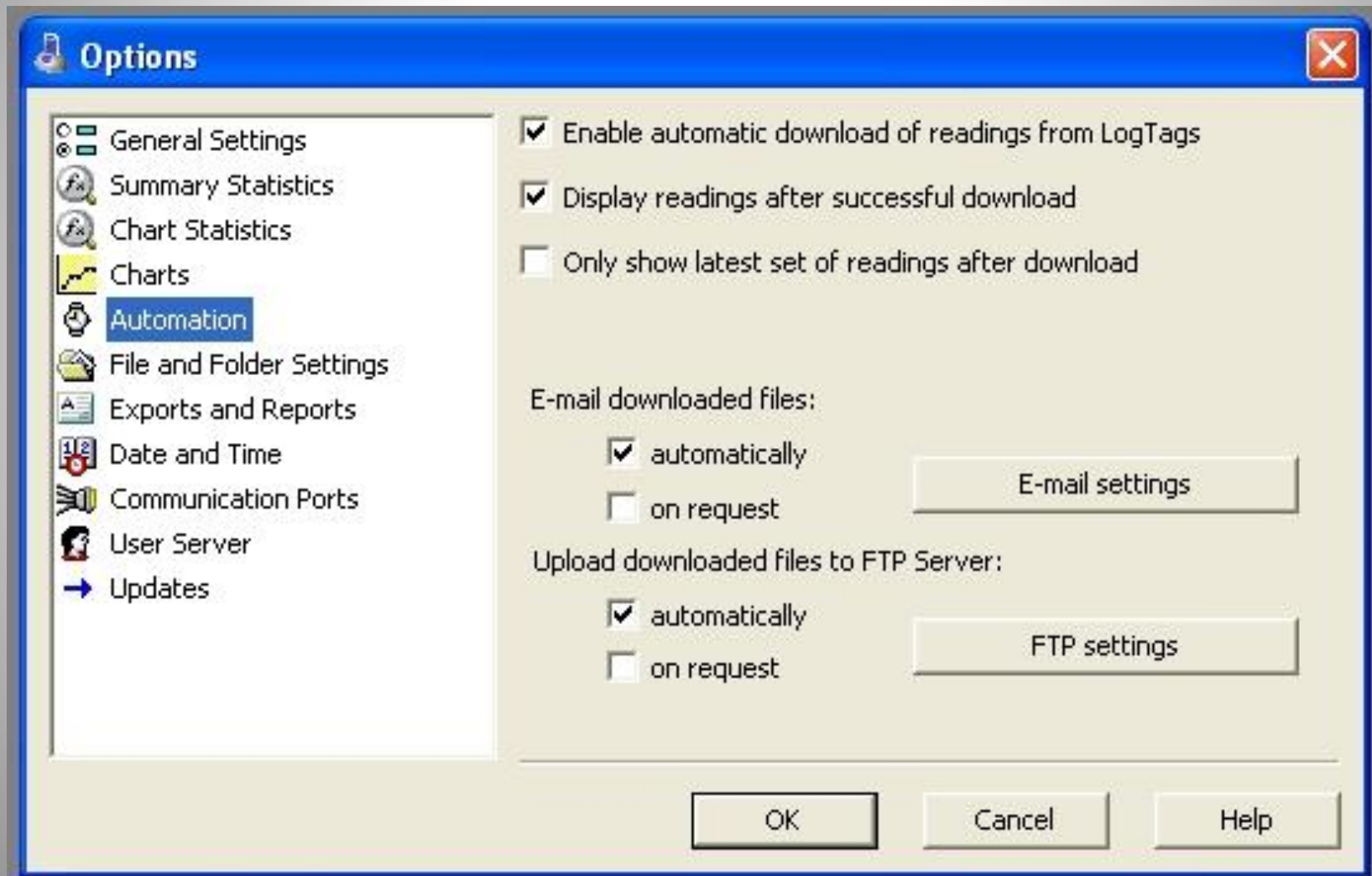
Add Edit Remove

Subject line: %DATE %FILENAME ▶

Send test e-mail

OK Cancel Help

Automation



Set up

LogTag Configure

Action List

- ✓ 1. Locate and identify LogTag(s)
- 2. Configure LogTag(s) for next use
- 3. Prepare LogTag(s) for next use

User ID:

☒ Enable pre-start logging

☐ Record readings continuously, overwrite oldest when memory full

☒ Record readings so that:

Readings recorded will span at least days

Number of readings to record maximum is 8031

Record a reading every Minutes

Begin recording after a delay of Minutes

☒ Enable the OK (Green) indicator

☒ Enable the Alert (Red) indicator, when:

Readings below or above °C.

☒ After consecutive alert readings (20 Minutes)

☐ After alert readings have occurred (None)

☐ Leave alert indicator enabled even if readings return within alert range

☒ Clear and reset alert when START MARK button pressed

☐ Configure requires a password

< Back Next > Close Help

Loading



Graph

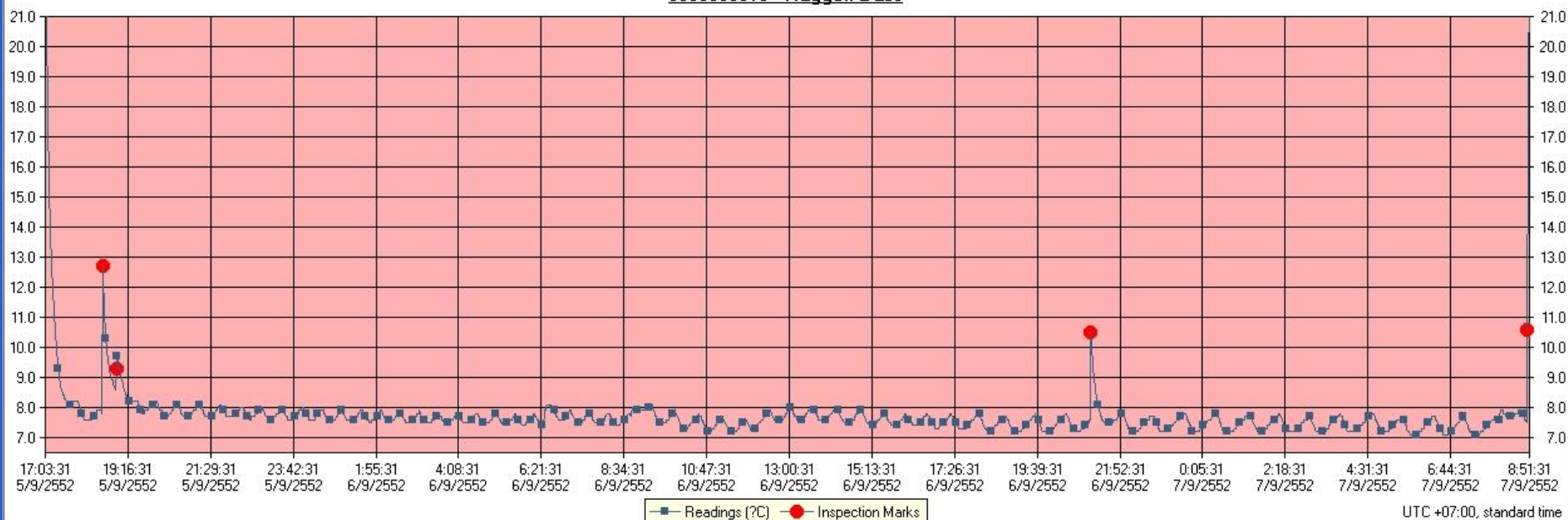
LogTag Analyzer - 8000065619 Started 5-9-2552, Finished 7-9-2552.ltd

File Edit LogTag Window Help



8000065619 Started 5-9-2552, Finished 7-9-2552.ltd

8000065619 - Haggan Dazs



UTC +07:00, standard time

Elapsed Time: 1 Day, 15 Hours, 48 Minutes

Average reading: 7.7 °C;

Degree Minutes below lower alert: .00 °C-Minutes;

Mean Kinetic Temperature: 7.84 °C

Time above upper alert: 1 Day, 15 Hours, 48 Minutes;

Reading range: 7.1 to 27.2 °C;

Standard Deviation: 1.06 °C;

Degree Minutes above upper alert: 5,752.20 °C-Minutes;

Time below lower alert: None;

Time not in alert: None;

Chart Data Summary Pre-Start Chart Pre-Start Data Pre-Start Summary All Chart All Data All Summary

Table

LogTag Analyzer - 8000065619 Started 5-9-2552, Finished 7-9-2552.ltd				
File Edit LogTag Window Help				
8000065619 Started 5-9-2552, Finished 7-9-2552.ltd				
Index	Date	Time	Elapsed Time	Readings (°C)
1	5/9/2552	17:03:31	00:00:00	27.2
2	5/9/2552	17:04:31	00:01:00	25.2
3	5/9/2552	17:05:31	00:02:00	22.4
4	5/9/2552	17:06:31	00:03:00	20.2
5	5/9/2552	17:07:31	00:04:00	18.5
6	5/9/2552	17:08:31	00:05:00	17.1
7	5/9/2552	17:09:31	00:06:00	16.0
8	5/9/2552	17:10:31	00:07:00	15.0
9	5/9/2552	17:11:31	00:08:00	14.2
10	5/9/2552	17:12:31	00:09:00	13.6
11	5/9/2552	17:13:31	00:10:00	13.0
12	5/9/2552	17:14:31	00:11:00	12.6
13	5/9/2552	17:15:31	00:12:00	12.1
14	5/9/2552	17:16:31	00:13:00	11.7
15	5/9/2552	17:17:31	00:14:00	11.4
16	5/9/2552	17:18:31	00:15:00	11.0
17	5/9/2552	17:19:31	00:16:00	10.7
18	5/9/2552	17:20:31	00:17:00	10.4
19	5/9/2552	17:21:31	00:18:00	10.1
20	5/9/2552	17:22:31	00:19:00	9.8
21	5/9/2552	17:23:31	00:20:00	9.6
22	5/9/2552	17:24:31	00:21:00	9.3
23	5/9/2552	17:25:31	00:22:00	9.1
Chart Data Summary Pre-Start Chart Pre-Start Data Pre-Start Summary All Chart All Data All Summary				

Summary

LogTag Analyzer - [8000065619 Started 5-9-2552, Finished 7-9-2552.ltd]

File Edit LogTag Window Help

LogTag ID: 8000065619

User ID: Haggen Dazs

LogTag battery: OK

Non alert range: -40.0 to -10.0 ?C

Time zone: UTC +07:00, standard time

Number of readings: 2389

Reading interval: 1 Minute

Number of starts: 20

First reading: 5/9/2552 17:03:31

Last reading: 7/9/2552 8:51:31

Elapsed Time: 1 Day, 15 Hours, 48 Minutes

Reading range: 7.1 to 27.2 ?C

Average reading: 7.7 ?C

Standard Deviation: 1.06 ?C

Degree Minutes below lower alert: .00 ?C-Minutes

Degree Minutes above upper alert: 5,752.20 ?C-Minutes

Mean Kinetic Temperature: 7.84 ?C

Time below lower alert: None

Time above upper alert: 1 Day, 15 Hours, 48 Minutes

Time not in alert: None

Statistics for between the first reading and inspection mark #1:

First reading: 5/9/2552 17:03:31

Last reading: 5/9/2552 18:34:31

Elapsed Time: 1 Hour, 31 Minutes

Reading range: 7.6 to 27.2 ?C

Average reading: 9.6 ?C

Chart Data **Summary** Pre-Start Chart Pre-Start Data Pre-Start Summary All Chart All Data All Summary

Summary 2

