

TempTale Product Alert TSB # 74

To: Sales, Marketing, International Offices, and Distributors

From: Technical Support

Date: September 17, 2009

Re: Downloaded .ttx files created using TTMD software from TempTale4 monitors that are started prior to a Daylight Saving time change and stopped after the time change.

Affected Product

All .ttx files created by TTMD software from TempTale4 monitors that were started prior to a Daylight Saving Time change and stopped after the time change.

Reported Problem

Time/Date information viewed for data points recorded after the DST time change are offset from the actual time by the 1 hour change.

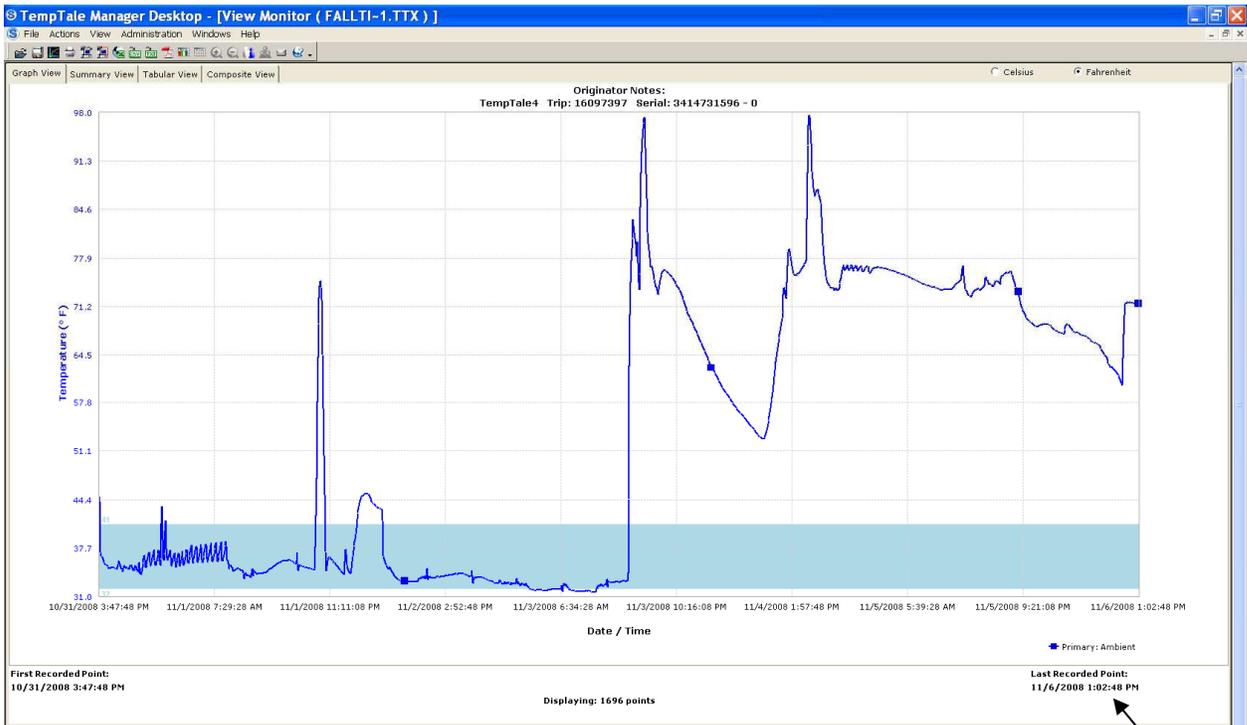
Please refer to the scenarios for the Autumn and Spring DST changes outlined on Page 2 and Page 3.

Problem Cause

The TempTale4 monitors utilize an internal clock set to GMT to time stamp events saved in memory. The TempTale4 monitors record both Start Time and Stop Time events into memory. All recorded data point time/date information including the last data point recorded time/date information are calculated from the Start Time event stored in memory. When the .ttx file is created and viewed, the Start Time, and therefore all recorded data point time/date information, and Stop Time are then offset from GMT by the TempTale Manger Desktop software according to the local pc's time zone setting. Due to the Daylight Saving time change, the offset from GMT of the Start Time and the offset from GMT of the Stop Time differ by the 1 hour change.

Any questions please contact Technical Support at support@sensitech.com

Fall Example



Stop Time
Offset -1 hour

TempTale4 Trip: 16097397 Serial: 3414731596 - 0

Recorded

First Point:	10/31/2008 3:47:48 P	Zoom	First Point:	
Stop Time:	11/6/2008 12:04:04 P		Last Point:	
Number of Points:	1696		Number of Points:	
Trip Length:	5 days 20 hrs 21 min			

Monitor Configuration

Startup Delay:	30 min
Interval:	5 min

Primary - Ambient

Low Extreme: 31.6 °F @ 11/3/2008 9:47:48 AM

High Extreme: 97.7 °F @ 11/4/2008 3:17:48 PM

Mean ± Standard Deviation: 52.9 °F ± 19 °F

Mean Kinetic Temperature: 63.3 °F

Low Alarm (32 °F)

Time Below:	6 hrs 20 min
Longest Time Below:	3 hrs 35 min @ 11/3/2008 6:47:48 AM
Degree Minutes Below:	80.0 °F min
Number Events Below:	3
Triggered:	11/3/2008 2:32:48 AM

High Alarm (41 °F)

Time Above:	3 days 2 hrs 30 min
Longest Time Above:	2 days 21 hrs 20 min @ 11/3/2008 2:47:48 PM
Degree Minutes Above:	127,906.0 °F min
Number Events Above:	6
Triggered:	11/1/2008 10:12:48 PM

Primary Alarm Configuration

Low Limit:	Enabled 32 °F	High Limit:	Enabled 41 °F
Type:	Time - Single Event	Type:	Time - Single Event
Threshold:	60 min	Threshold:	60 min

Secondary

Low Extreme:

High Extreme:

Mean ± Standard Deviation:

Mean Kinetic Temperature:

Low Alarm

Time Below:	
Longest Time Below:	
Degree Minutes Below:	
Number Events Below:	
Triggered:	

High Alarm

Time Above:	
Longest Time Above:	
Degree Minutes Above:	
Number Events Above:	
Triggered:	

Secondary Alarm Configuration

Low Limit:		High Limit:	
Type:		Type:	
Threshold:		Threshold:	

Recalculated Limits

Low Limit:	32 °F	High Limit:	41 °F
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Recalculated Limits

Low Limit:		High Limit:	
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Originator Notes:

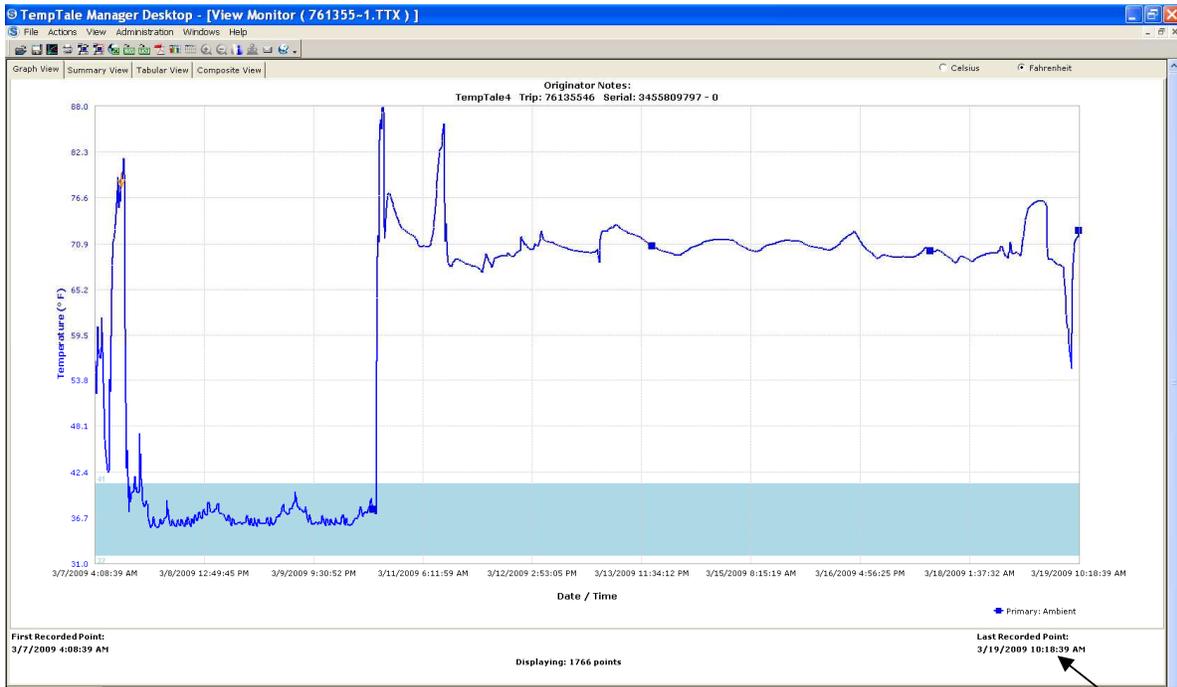
Monitor Read On: 11/6/2008 12:07:23 PM

By: admin

Recalculate Limits

Restore Configured Limits

Spring Example



Stop Time
Offset +1 hour

TempTale Manager Desktop - [View Monitor (761355-1.TTX)]

TempTale4 Trip: 76135546 Serial: 3455809797 - 0

Recorded	3/7/2009 4:08:39 AM	3/19/2009 11:26:00 AM	Monitor Configuration
First Point:	3/7/2009 4:08:39 AM	3/19/2009 11:26:00 AM	Startup Delay: 30 min
Stop Time:	3/19/2009 11:26:00 AM	3/19/2009 11:26:00 AM	Interval: 10 min
Number of Points:	1766	1766	
Trip Length:	12 days 7 hrs 27 min	12 days 7 hrs 27 min	

Primary - Ambient

Low Extreme:	35.5 °F @ 3/7/2009 8:48:39 PM	Secondary	Low Extreme:
High Extreme:	87.9 °F @ 3/10/2009 7:18:39 PM	High Extreme:	High Extreme:
Mean ± Standard Deviation:	61.9 °F ± 15 °F	Mean ± Standard Deviation:	Mean ± Standard Deviation:
Mean Kinetic Temperature:	66.8 °F	Mean Kinetic Temperature:	Mean Kinetic Temperature:
Low Alarm (32 °F)		Low Alarm:	Low Alarm:
Time Below:	0 sec	Time Below:	Time Below:
Longest Time Below:	0 sec	Longest Time Below:	Longest Time Below:
Degree Minutes Below:	0.0 °F min	Degree Minutes Below:	Degree Minutes Below:
Number Events Below:	0	Number Events Below:	Number Events Below:
Triggered:		Triggered:	Triggered:
High Alarm (41 °F)		High Alarm:	High Alarm:
Time Above:	9 days 5 hrs	Time Above:	Time Above:
Longest Time Above:	8 days 18 hrs 10 min @ 3/10/2009 5:18:39 PM	Longest Time Above:	Longest Time Above:
Degree Minutes Above:	385,627.0 °F min	Degree Minutes Above:	Degree Minutes Above:
Number Events Above:	4	Number Events Above:	Number Events Above:
Triggered:	3/7/2009 4:58:39 AM	Triggered:	Triggered:

Primary Alarm Configuration

Low Limit:	Enabled 32 °F	High Limit:	Enabled 41 °F
Type:	Time - Single Event	Type:	Time - Single Event
Threshold:	60 min	Threshold:	60 min

Secondary Alarm Configuration

Low Limit:		High Limit:	
Type:		Type:	
Threshold:		Threshold:	

Recalculated Limits

Low Limit:	32 °F	High Limit:	41 °F
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Originator Notes:

Monitor Read

On: 3/26/2009 12:51:33 PM

By: admin

Recalculate Limits

Restore Configured Limits