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Test Report

Report No. 12171

Date: 10/06/12

Customer:

Redutec ApS
 Attrupvej 4 • Strøby
 8550 Ryomgård

Test Site Location:

NEUE LÜBECKER NORDDEUTSCHE
 BAUGENOSSENSCHAFT EG
 Koppeldamm 35, Elmshorn
 (Apartment Complex)

Test Type: HEATING AIR CONDITIONING REFRIGERATION OTHER: _____
 Product Tested: HW LCH LCS CHW CHS AC CAC RU OTHER: _____

Type of Equipment:

Hydronic Heating Boiler with Indirect Domestic Hot Water Heater
 Buderus GE315

Test Start Date: 09/27/12
 Test End Date: 10/20/12
 No. of Days in Test: 24

BURNER RUN-TIME: in HRS. in MIN.
 IntelliCon ON-DAYS: 41:28:17
 IntelliCon OFF-DAYS: 47:10:54
 The Boilers Ran 12.10%
 More on the Off-Days

BURNER USAGE FACTOR:
 IntelliCon On-Days: 14%
 IntelliCon Off-Days: 16%

HEATING DEGREE-DAYS (FOR TEST PERIOD)
 IntelliCon ON-DAYS: 124 It was 3.5% Colder on the On-Days.
 IntelliCon OFF-DAYS: 120
 Total: 244

DOMESTIC HW USAGE(LITERS):
 IntelliCon On-Days: 1693 x10
 IntelliCon Off-Days: 1594 x10
 there was 6.21% Greater Usage on the On-Days.

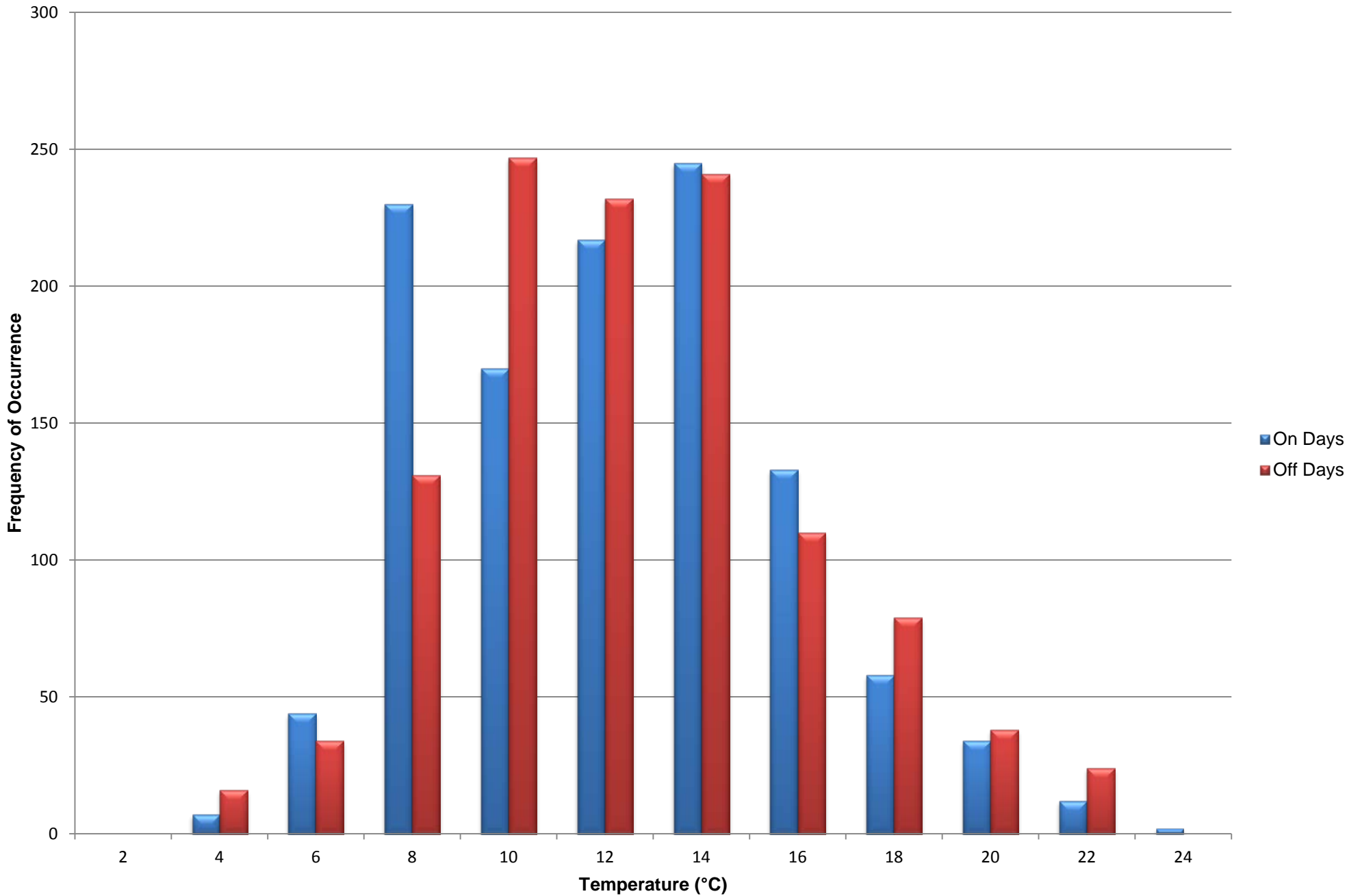
IntelliCon ON-DAYS: 3250523
 IntelliCon OFF-DAYS: 3026803 It was 7.39% Sunnier on the On-Days.

BURNER CYCLING REDUCTION:
 IntelliCon ON-DAYS: 187
 IntelliCon OFF-DAYS: 343 Cycling was reduced by: 45.5%

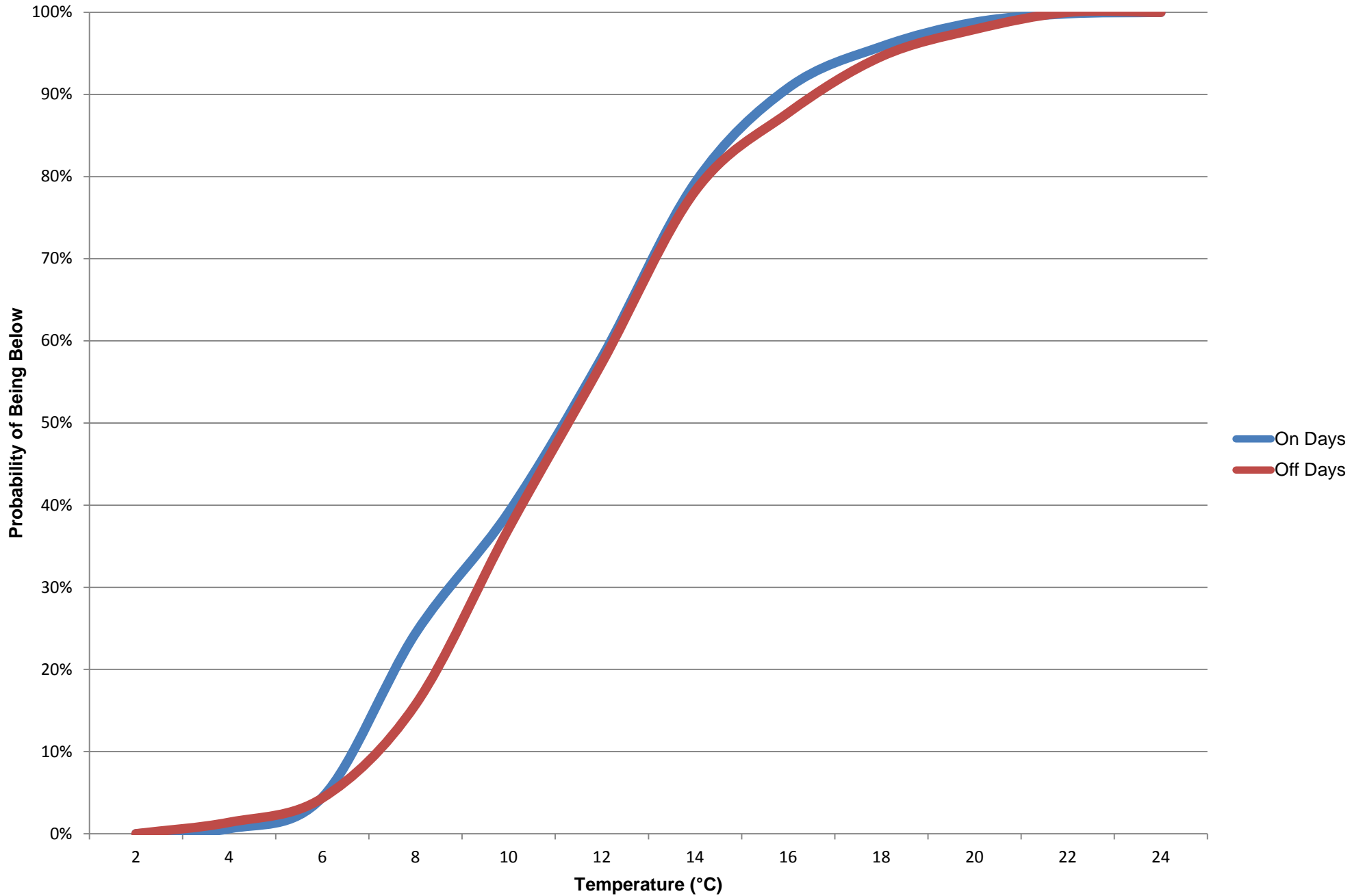
Savings = 15.07%

COMMENTS: Although the Domestic Hot Water usage was greater on the "On" days witch creates more runtime we did not compensated for this.

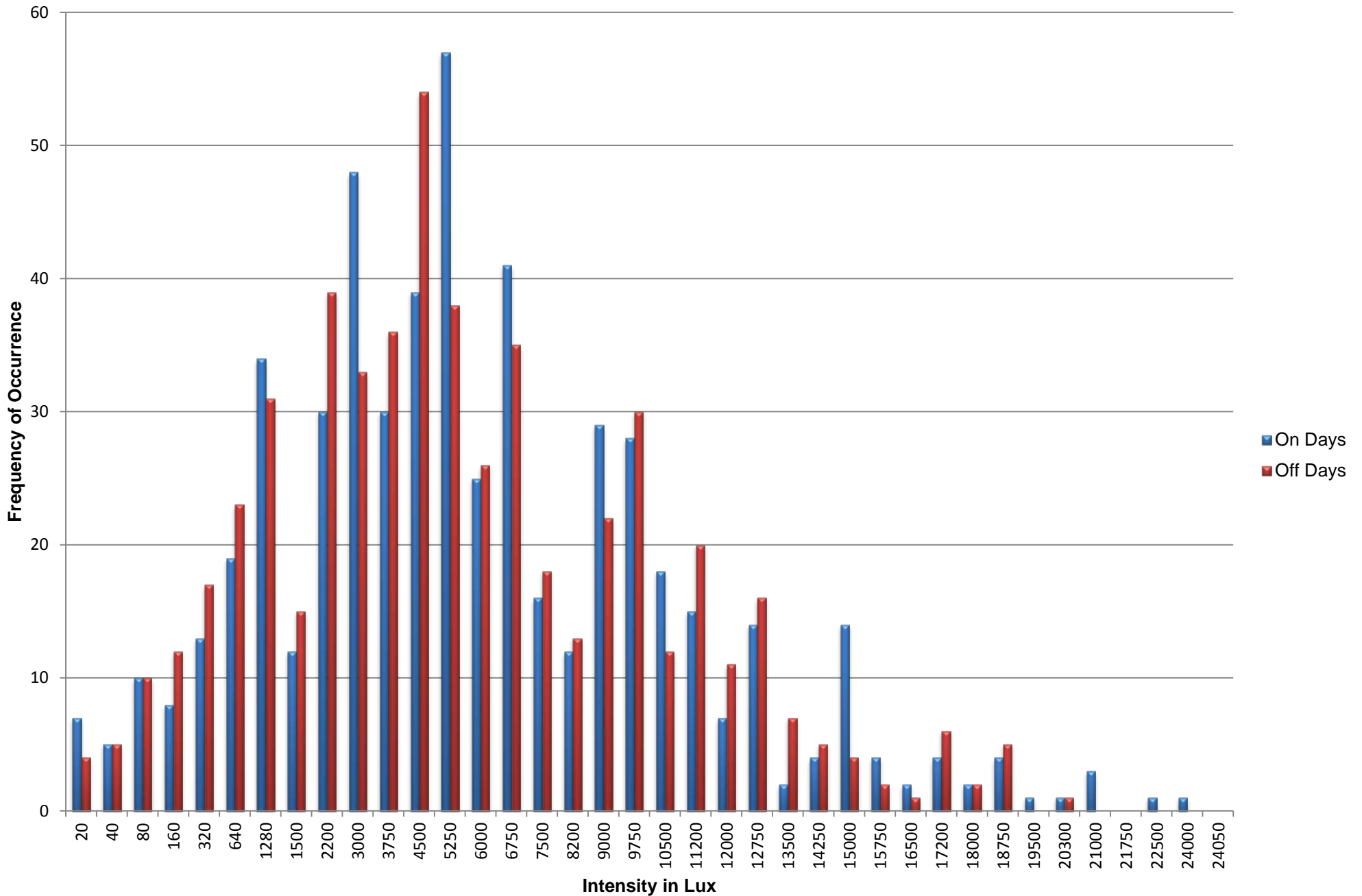
Apartment Complex Outdoor Air Temperature Histogram Test Period 09/27/2012 - 10/20/2012



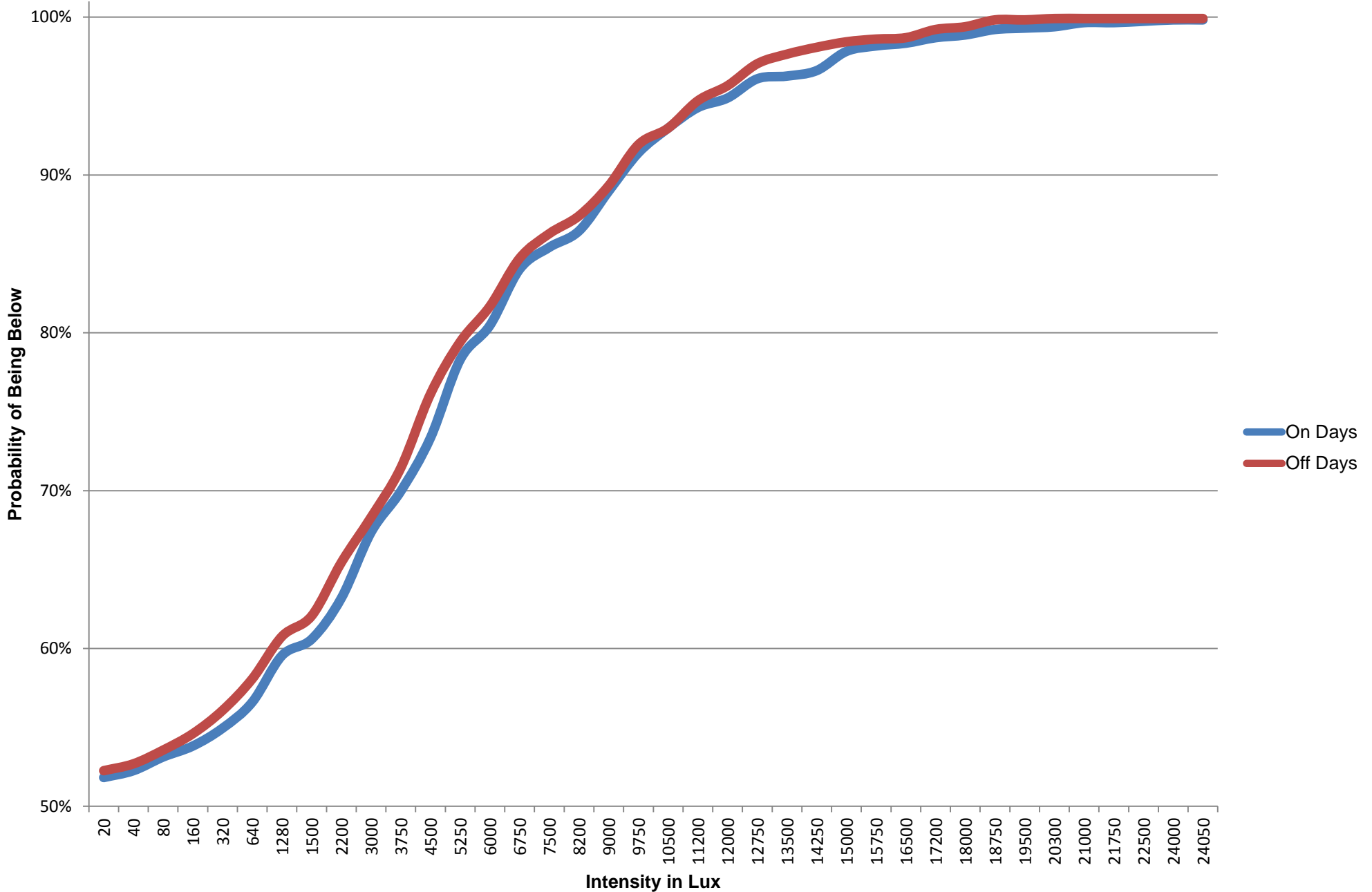
Apartment Complex Outdoor Air Temperature Probability Test Period 09/27/2012 - 10/20/2012



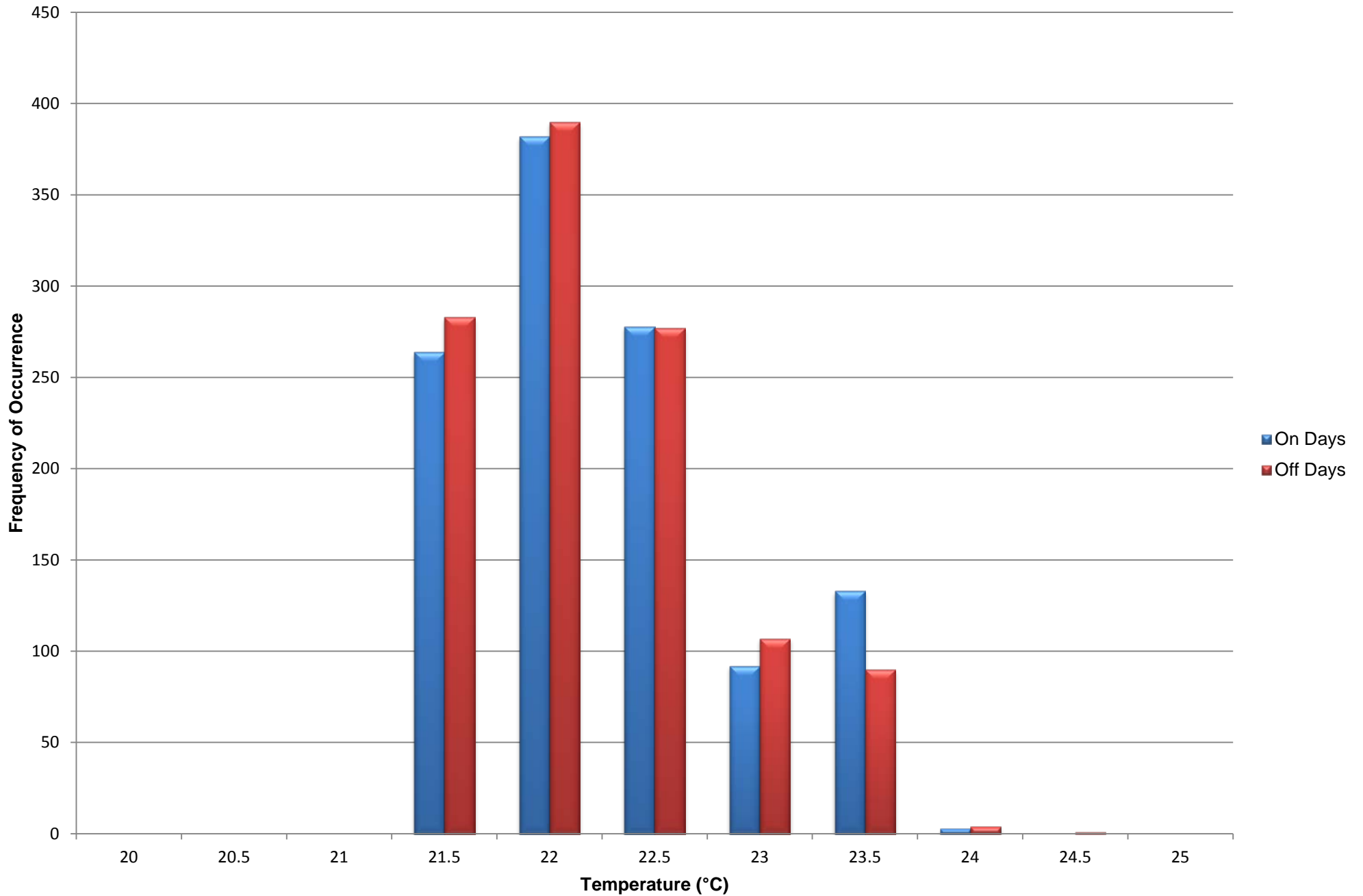
Apartment Complex Solar Histogram Test Period 09/27/2012 - 10/20/2012



Apartment Complex Solar Probability Test Period 09/27/2012 - 10/20/2012



Apartment Complex Space Temperature Histogram Test Period 09/27/2012 - 10/20/2012



Apartment Complex Space Temperature Probability Test Period 09/27/2012 - 10/20/2012

