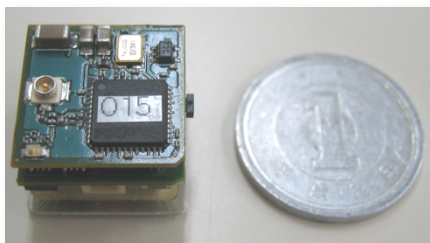


# Life Microscope: Wristband Node

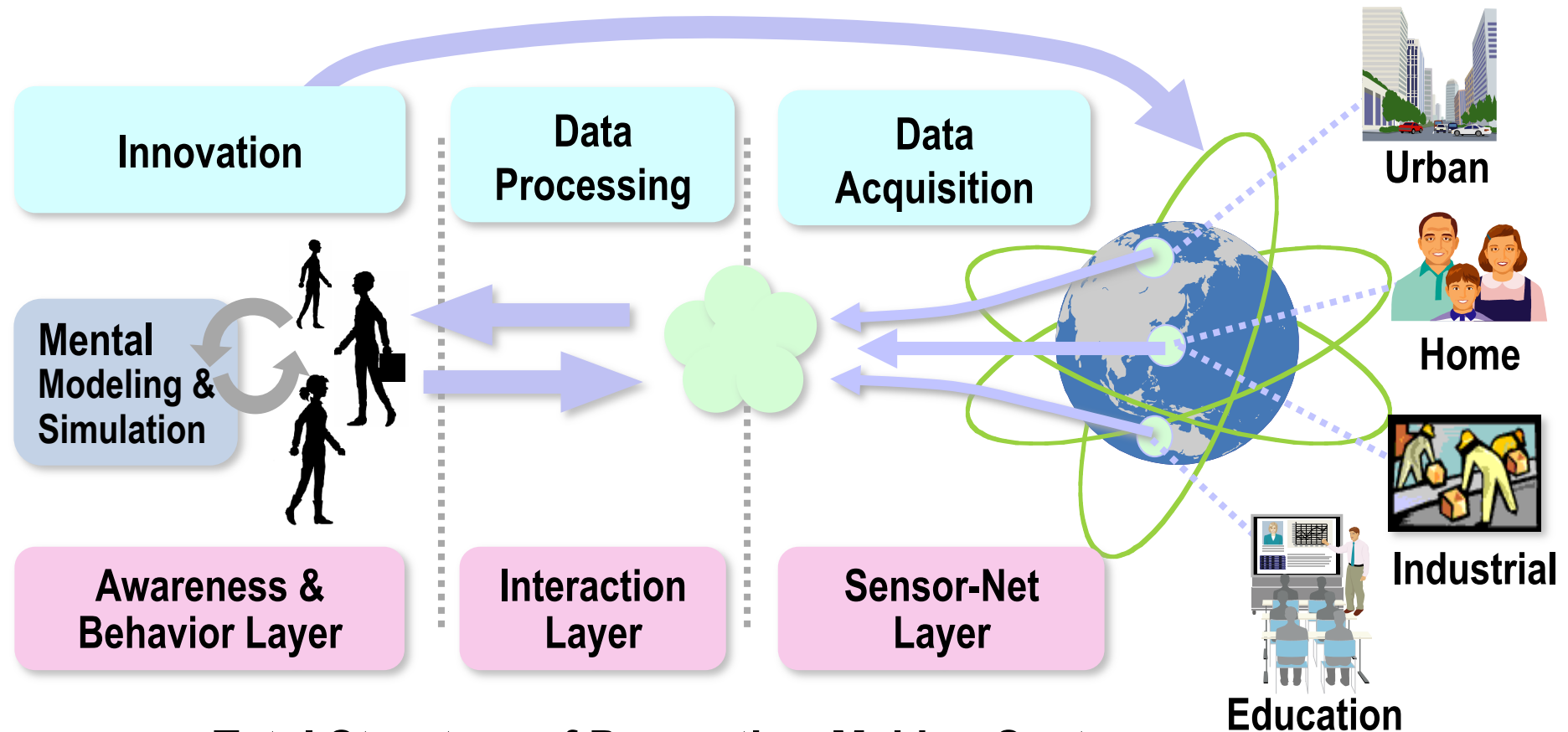


**Sensor Node Module 15×15×15 mm**

<b>Size</b>	<b>6×4×1.5cm</b>
<b>Weight</b>	<b>50g include battery</b>
<b>Battery</b>	<b>1 Day internal battery 4 Days external battery (※Sensing every 2 minutes)</b>
<b>Wireless</b>	<b>IEEE802.15.4 Range 30m</b>
<b>Sensor</b>	<b>Pulse, Acceleration, Temperature</b>

# Change : IT-Human Relationship

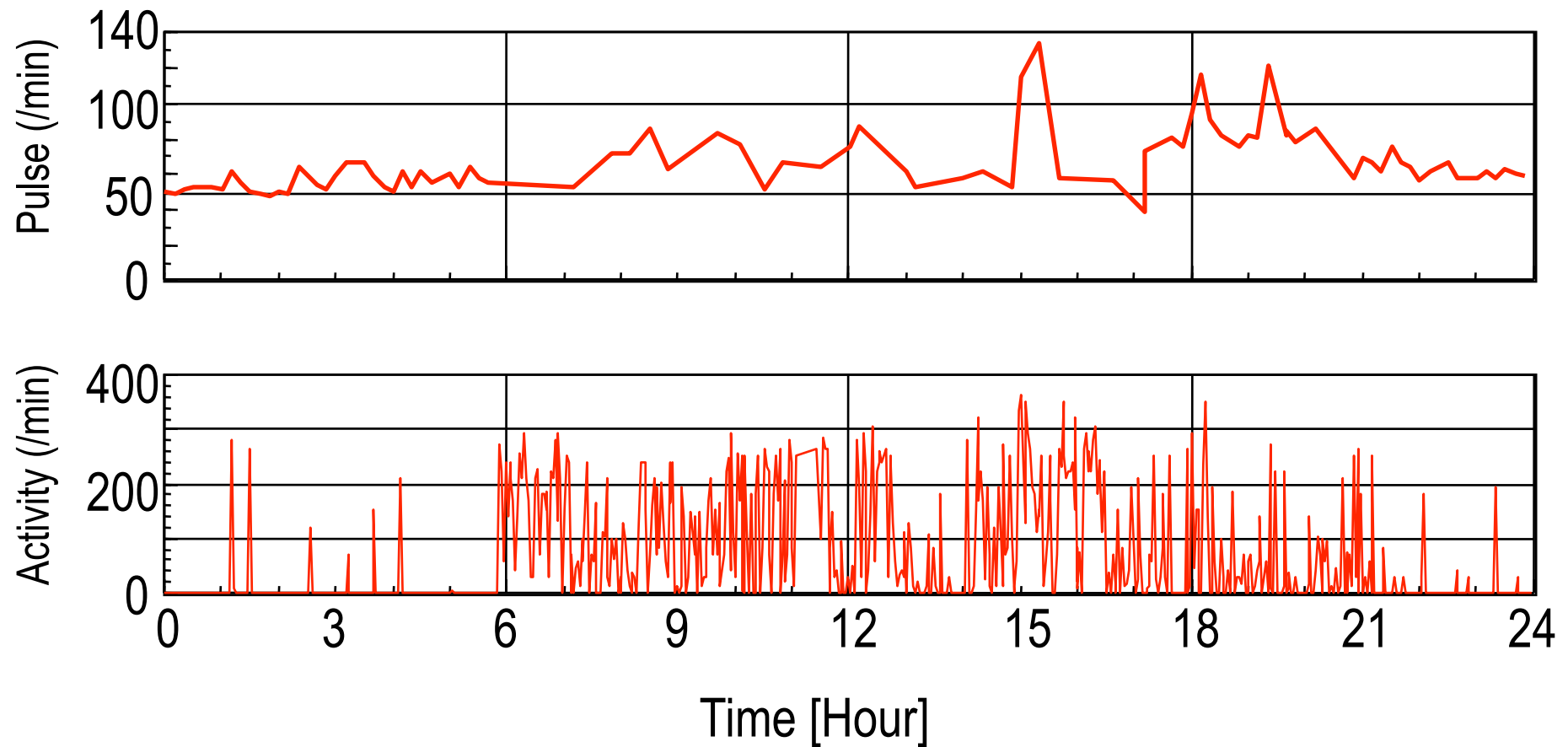
- From **Labor-Saving** to **Awareness**
- New Mirror for Reflection: Beyond **Taylor's Model**



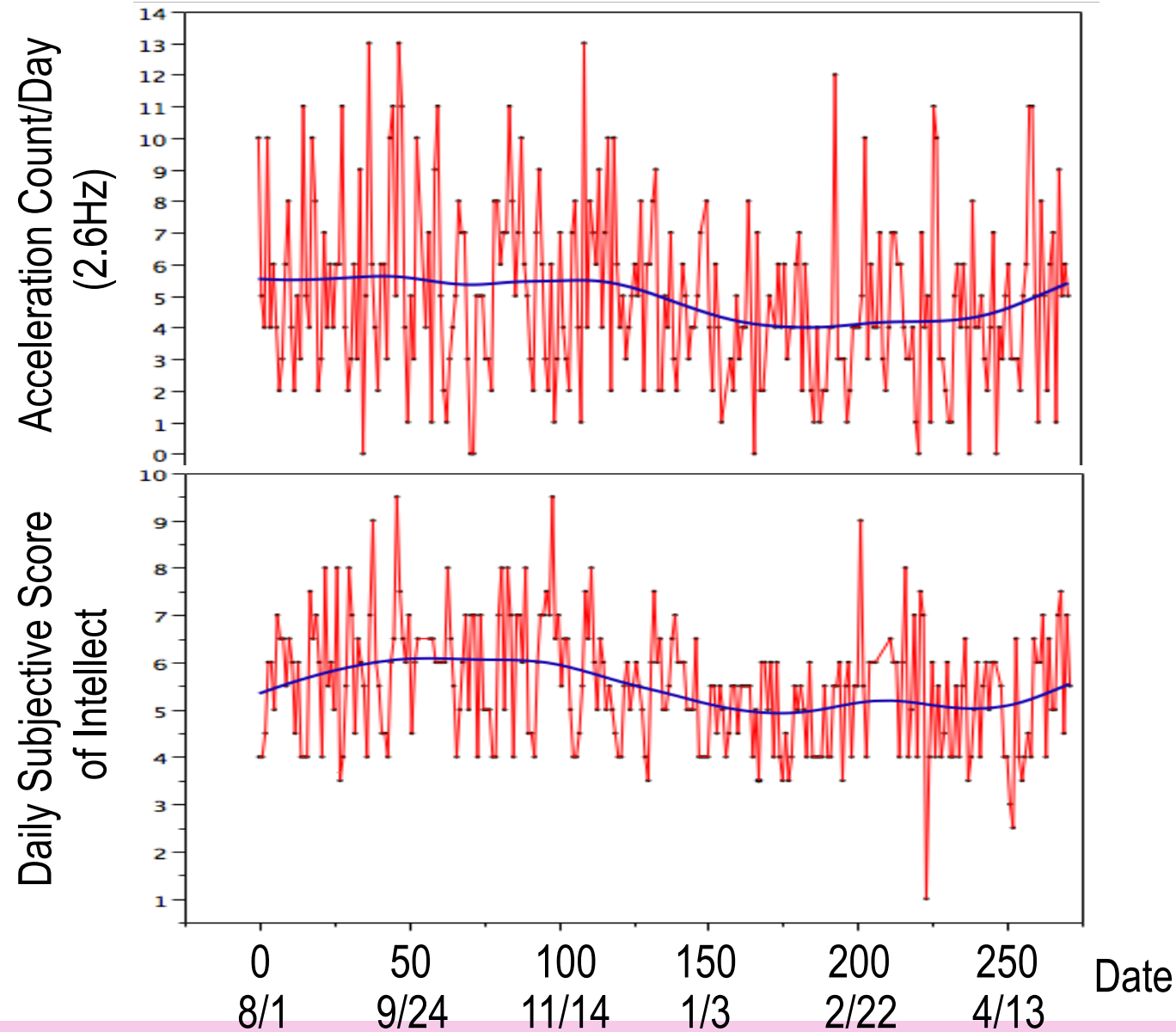
**Total Structure of Perception-Making System**

# Life Microscope: Data

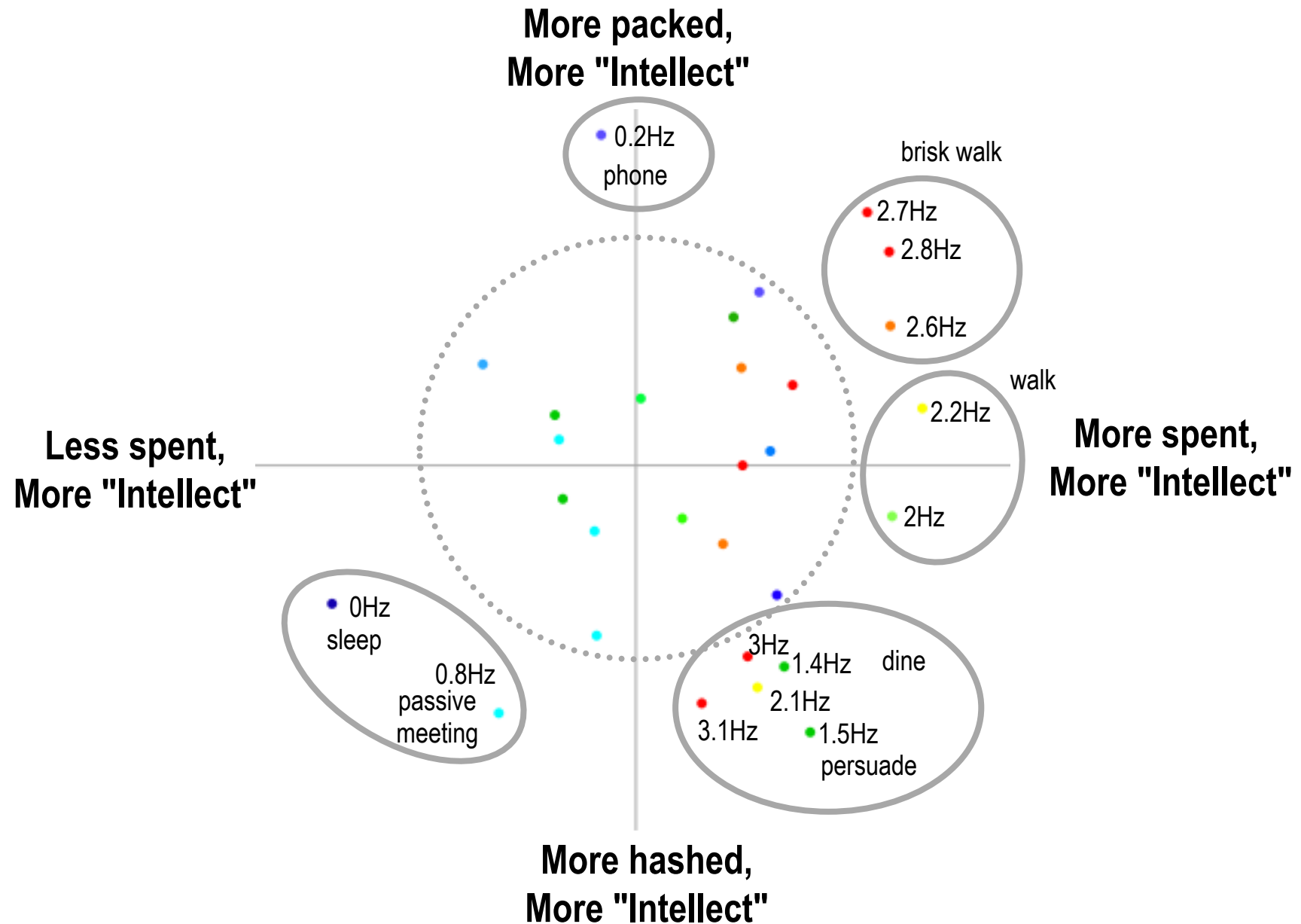
## ● Pulse & Activity Monitoring Result



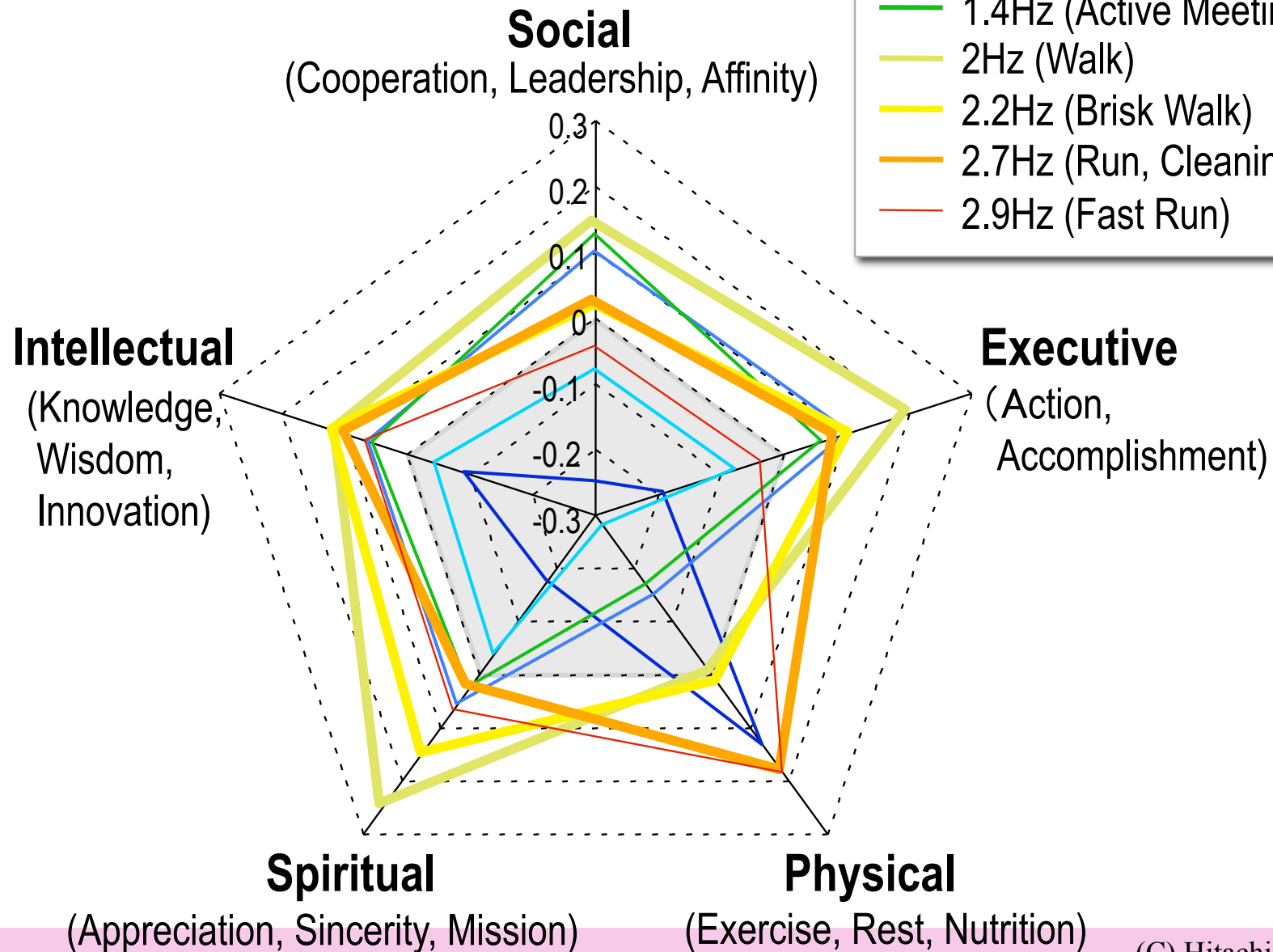
# Correlation between Wrist Motion and Intellect



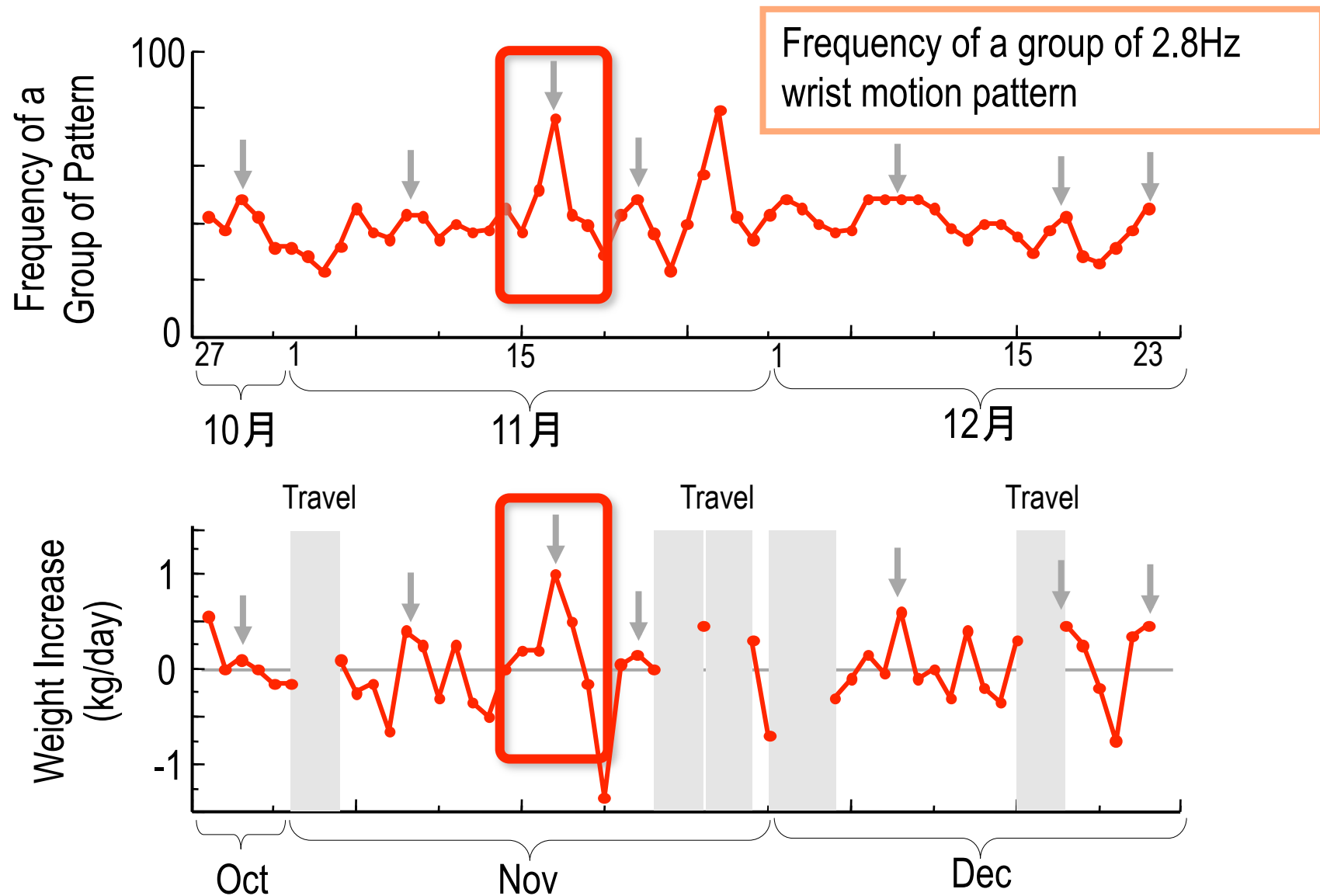




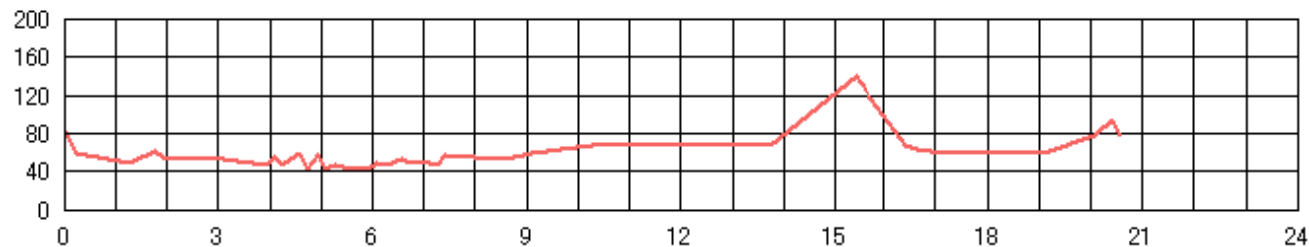
# Correlation between Daily 5 Scores and Wrist Motion Frequency



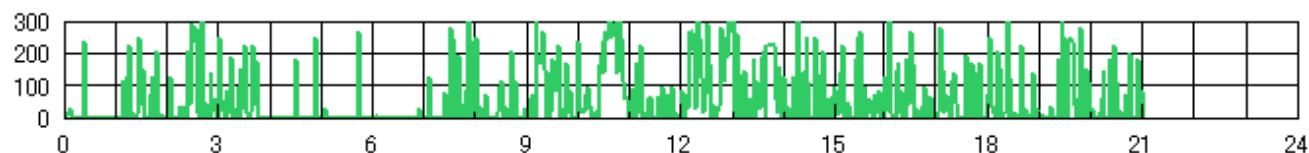
# Everything is Projected to Wrist Motion



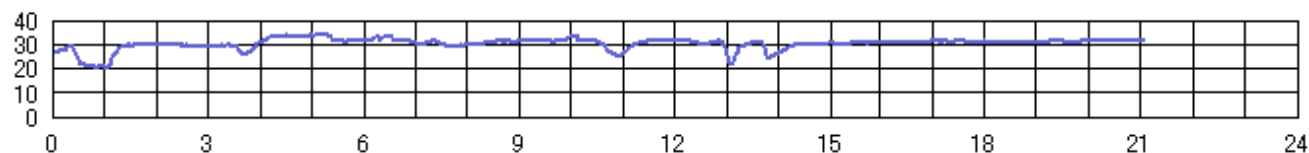
### Pulse Rate (/min)



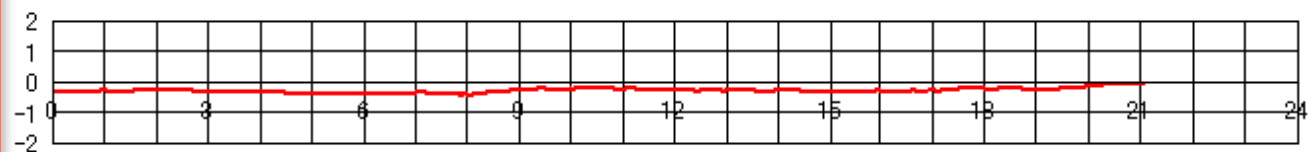
### Acceleration Zero Cross Rate (/min)



### Temperature (C)



### Weight Forecast (kg)



ノード番号

0000e1fffe8fa010

最新情報

2007/2/24 21:03:04

脈拍

拍/分

加速度

0 回/分

温度

32 °C

電波強度

電池残量



Forecast

-0.07 kg

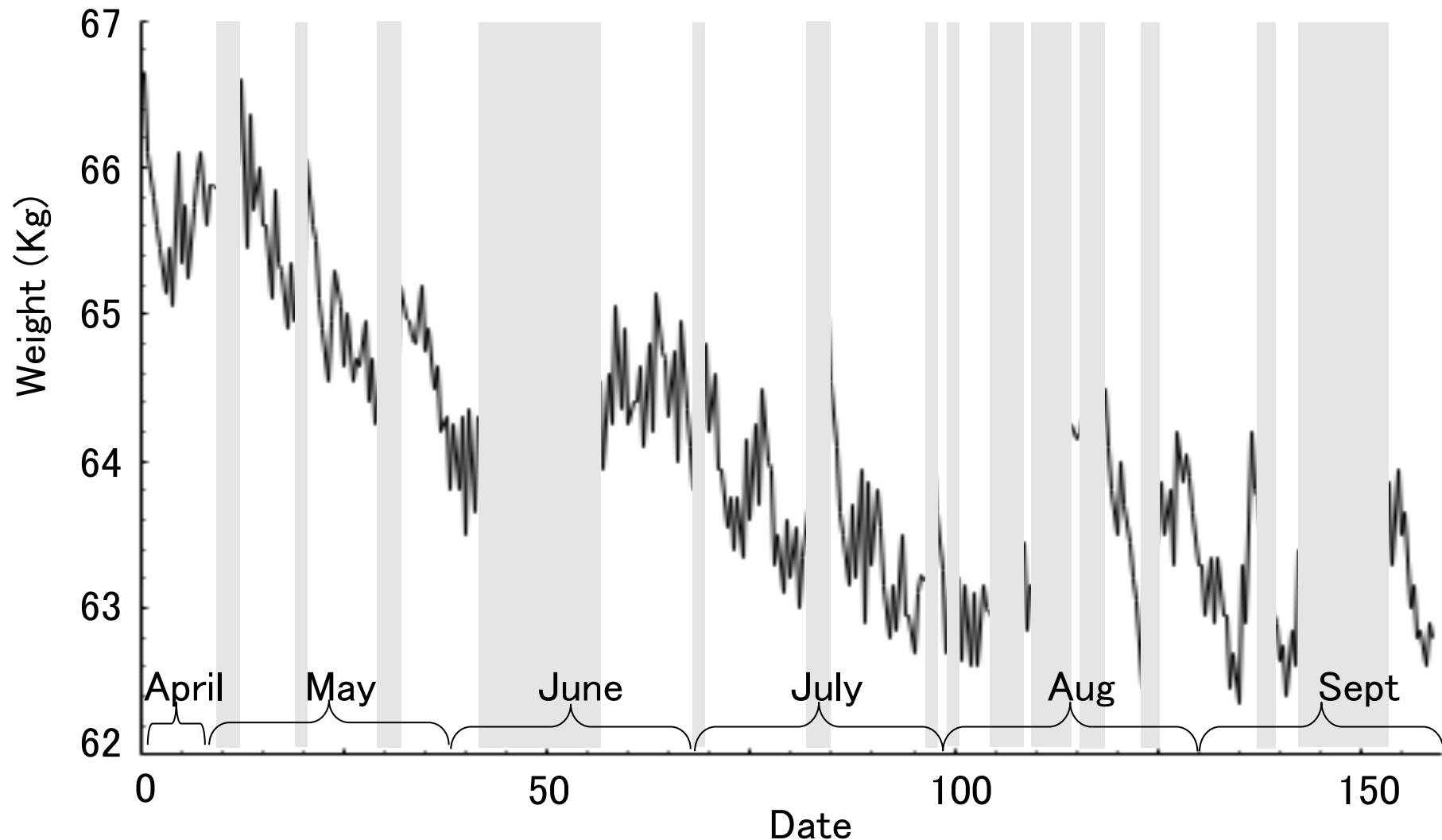
[時間]

時間軸

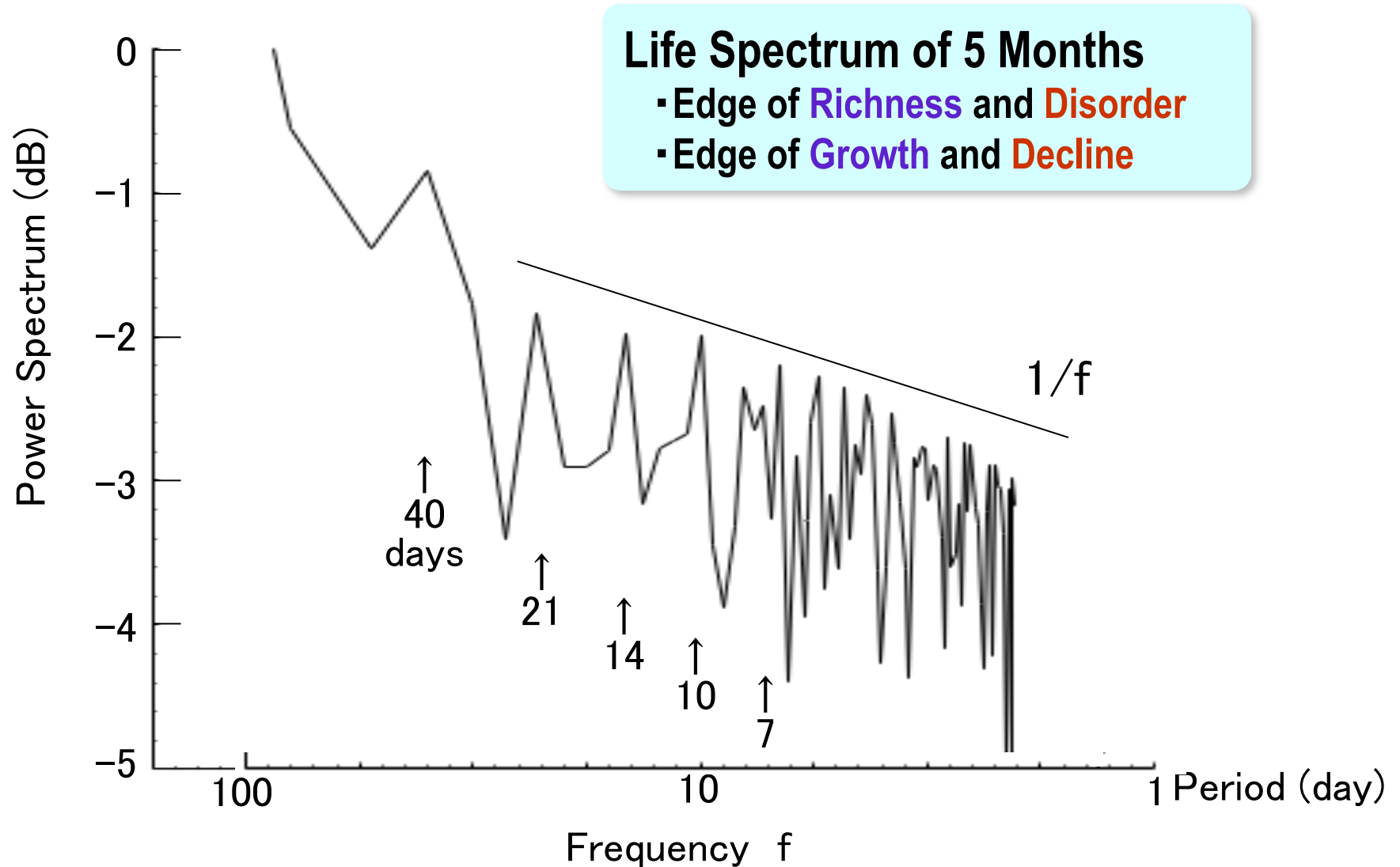
(24時間)

# Impact of Awareness on Weight

- Large fluctuation of weight represents life fluctuation



# Life Spectrum



# Weight Forecast

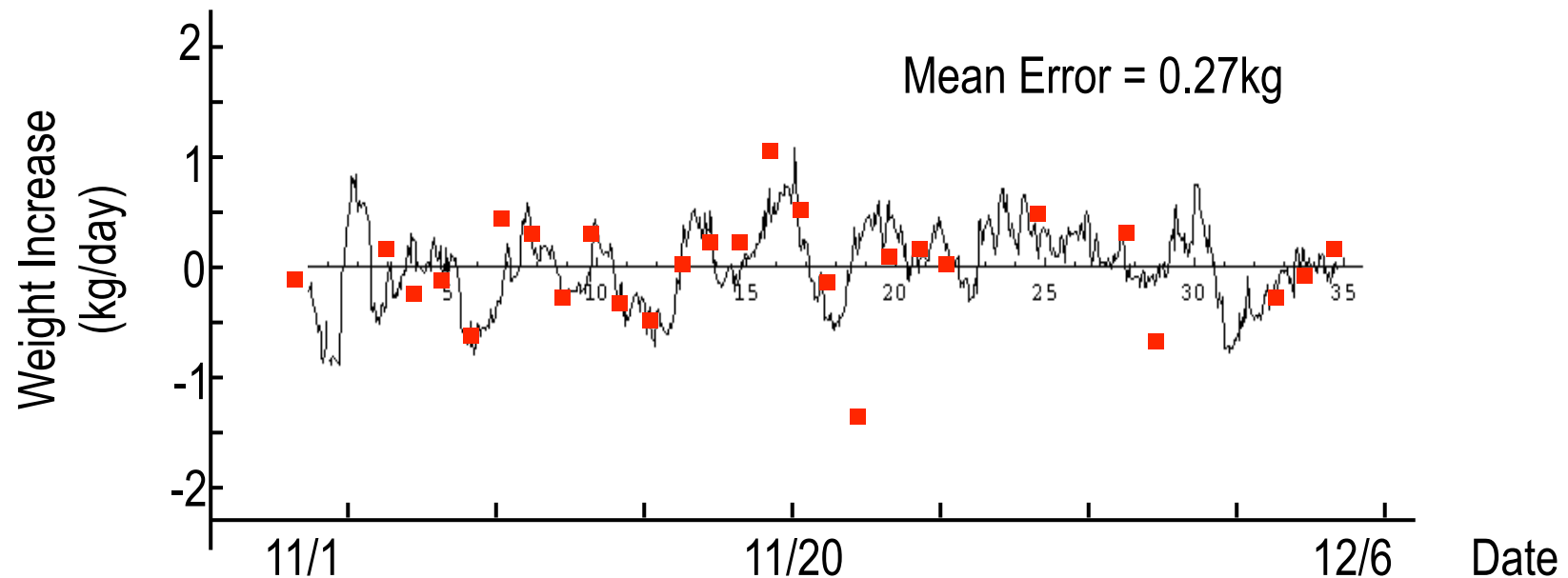
## ● Wrist Motions are modeled with 1000 feature quantities

Weight is modeled by 11 factors

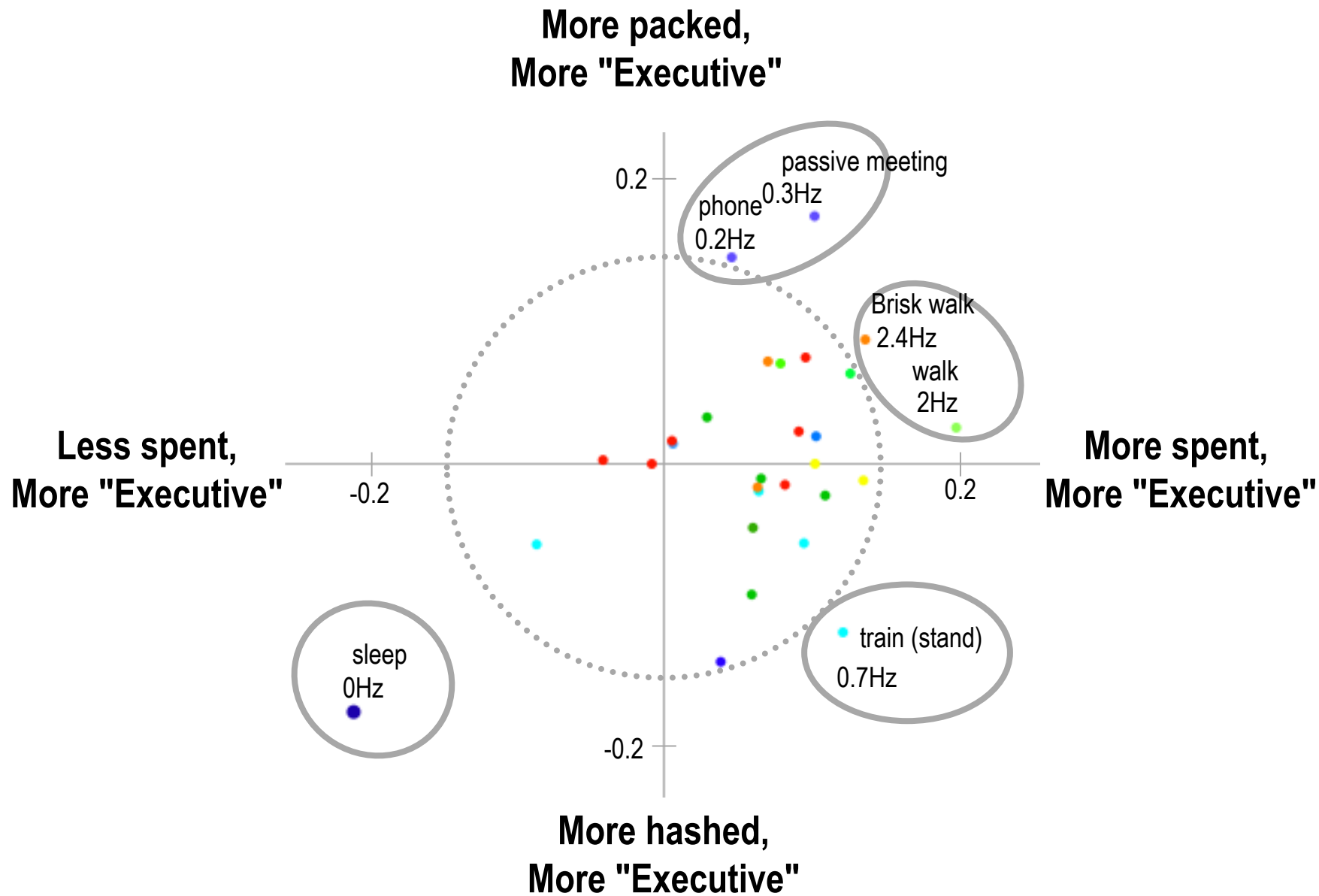
b1, b10, b21, w8, w10, w12, w16,  
bp16, bp24, bp27, wp18

— Weight forecast

■ Measured results

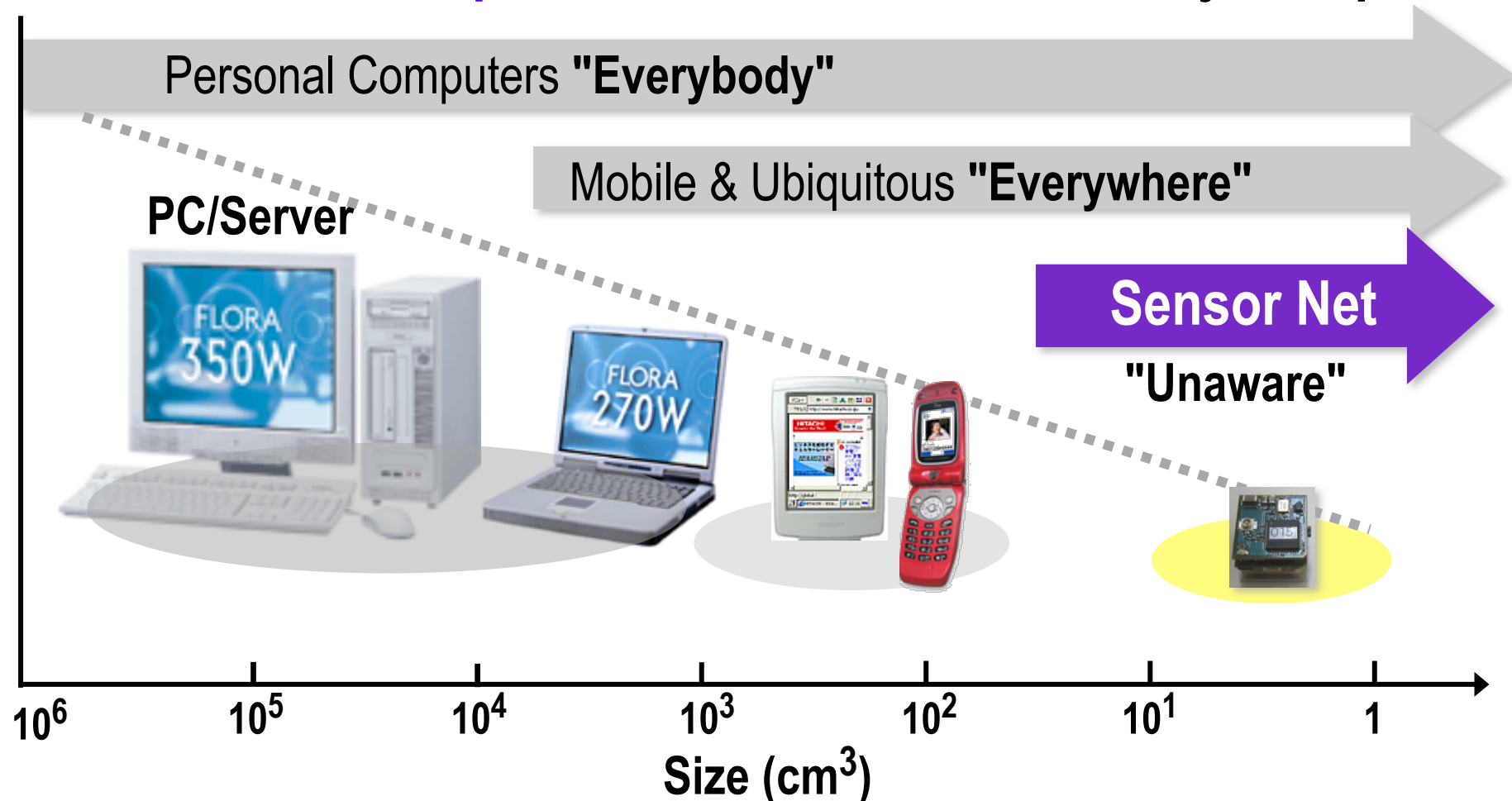


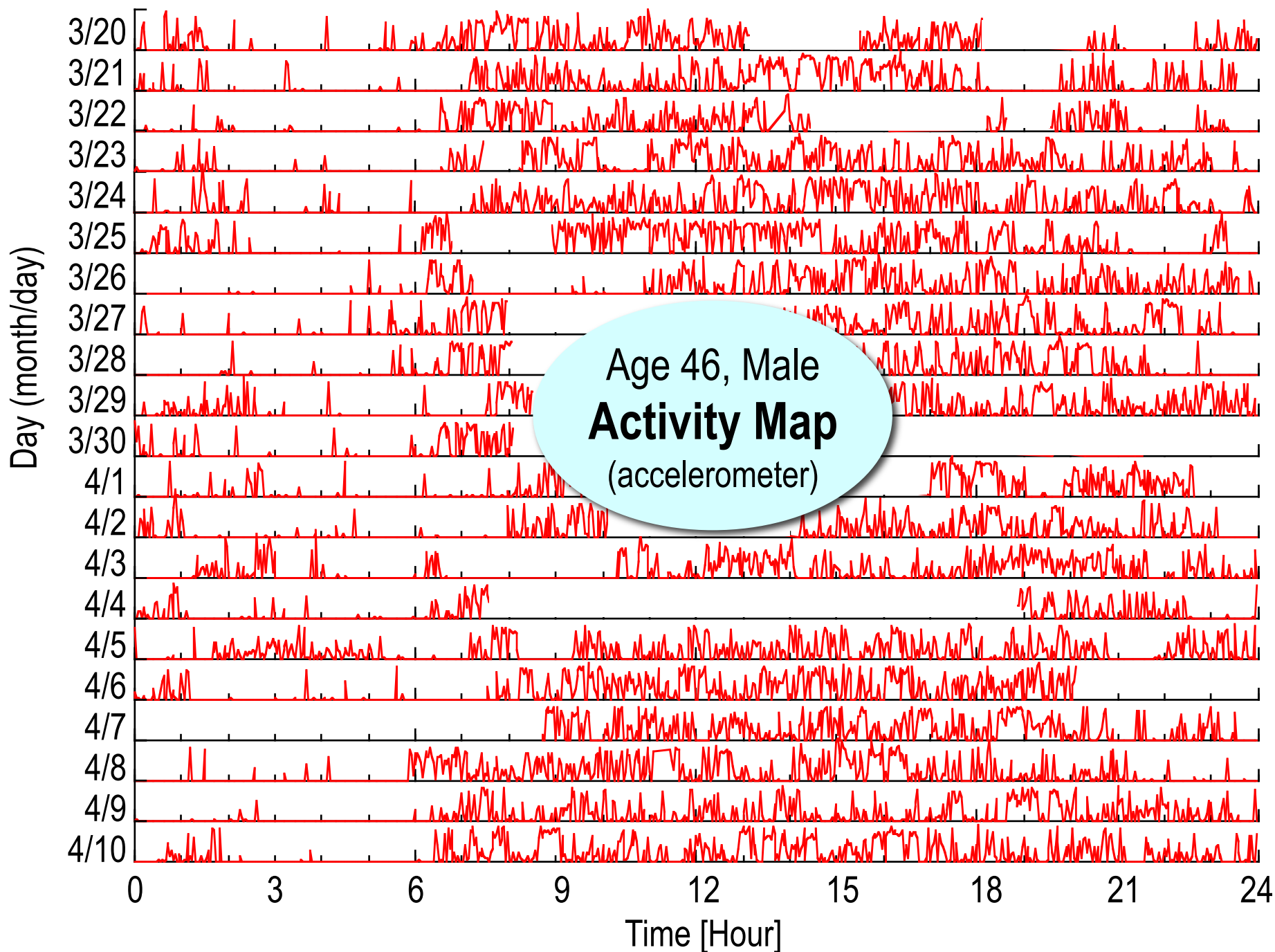




# Change: Miniaturization of Computers

- Quantum Leap:  $\times 1/100$  every 10 years
- Rise of "**1cc Computers**": attached to human, object & place





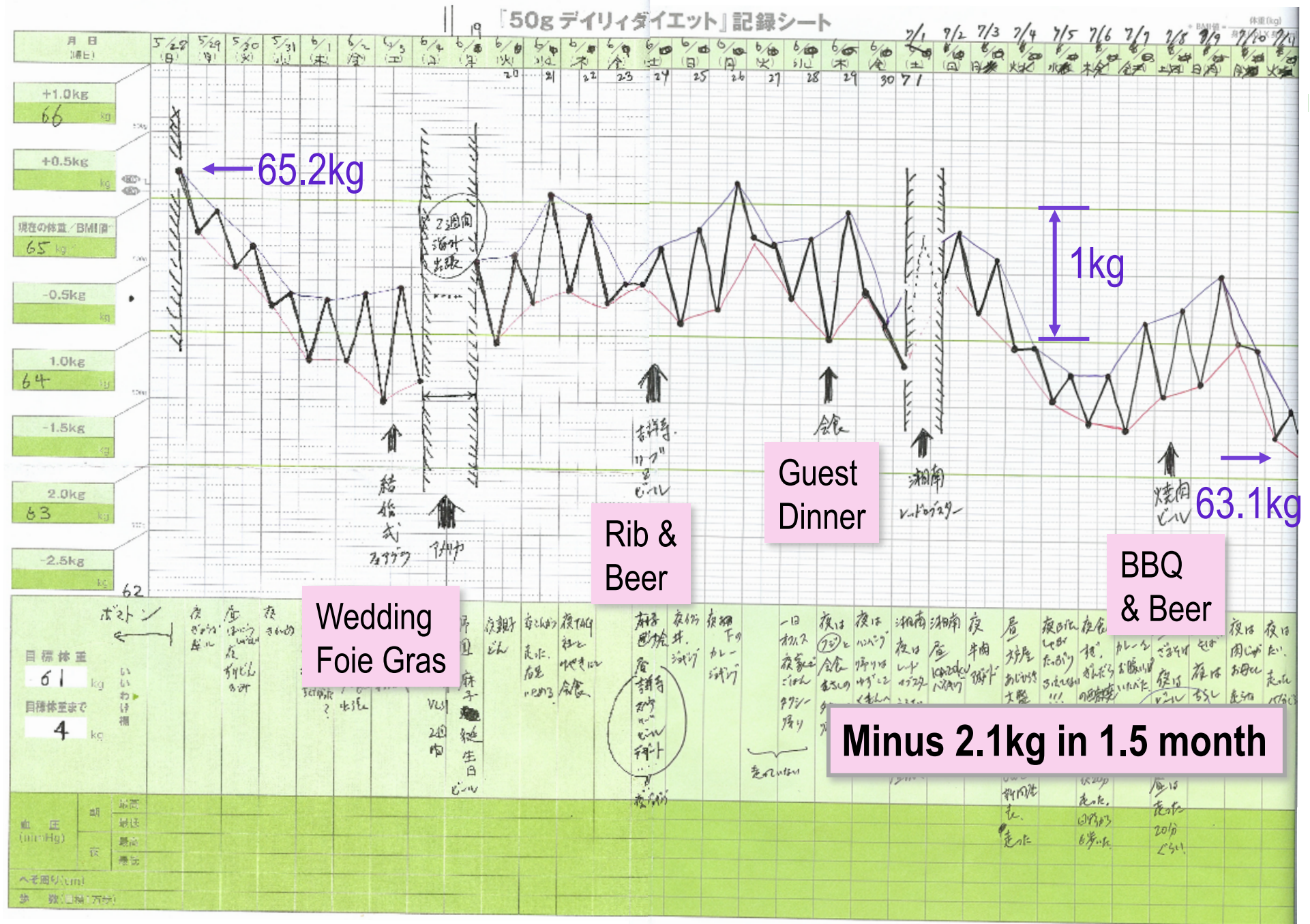


Day (month/day)



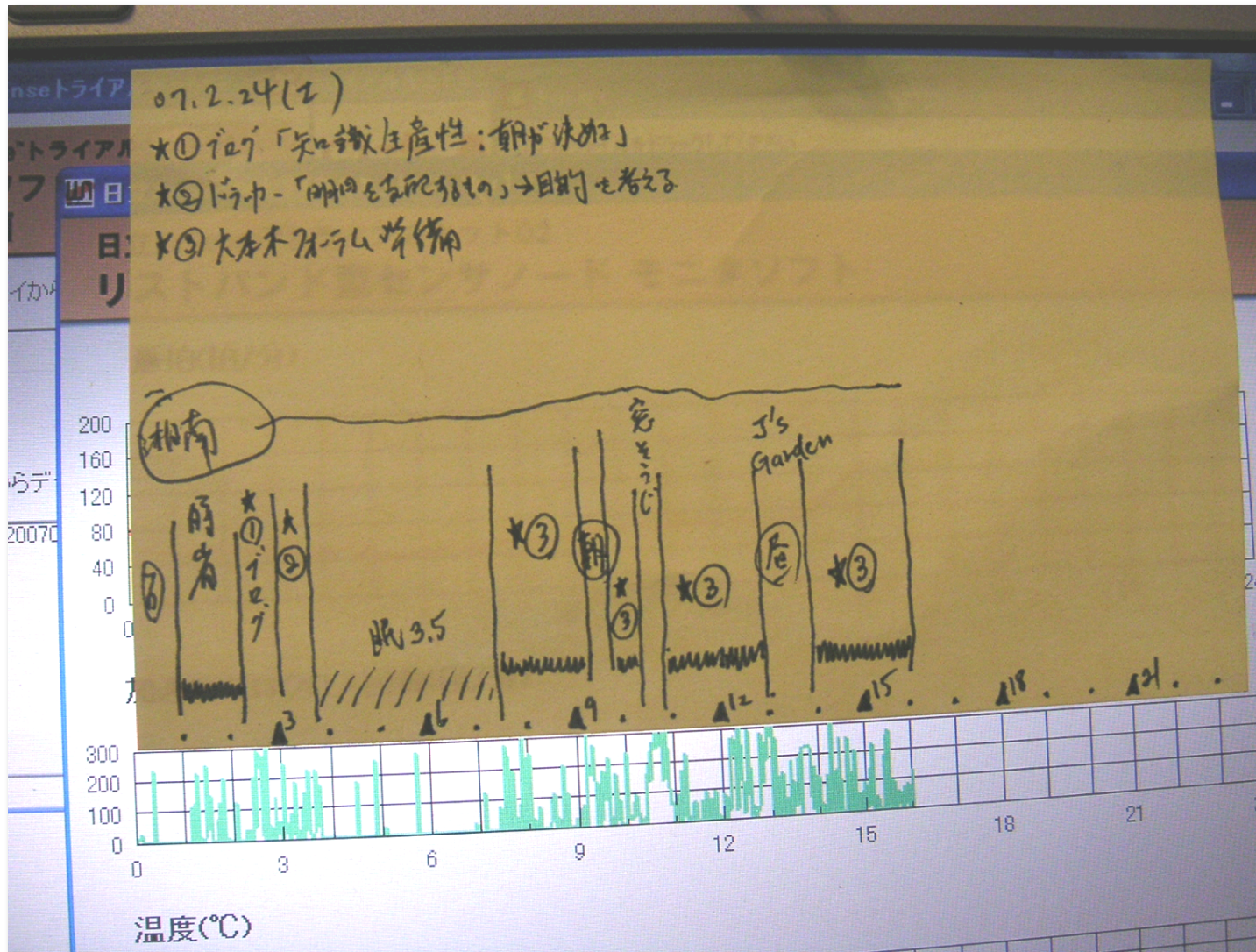
**“Satellite Image of My Life”**  
Human-behavior knowledge & new services







# Know Thy Time



Recording Time with Life Microscope







7/30～8/5

8/6~8/12

8/13~8/19

8/20～8/26

8/27~9/1

# Sun

Mon

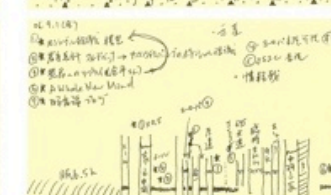
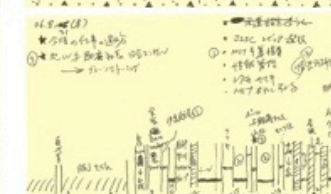
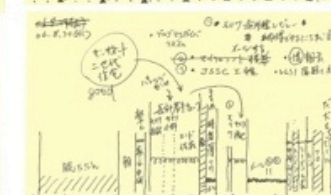
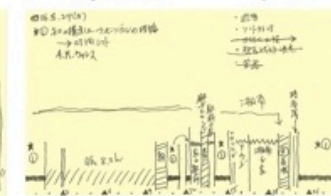
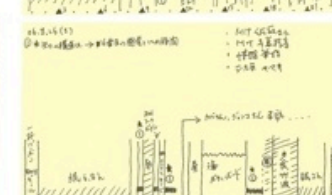
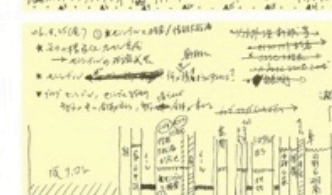
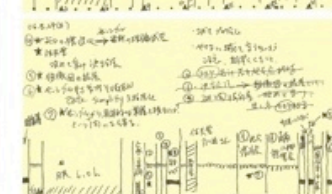
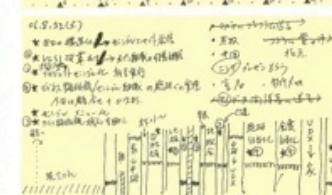
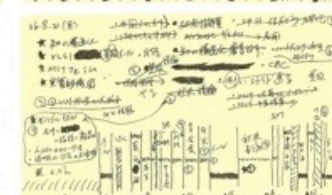
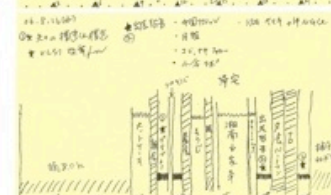
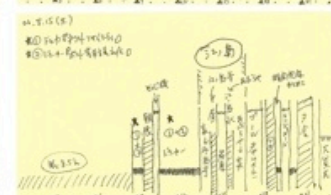
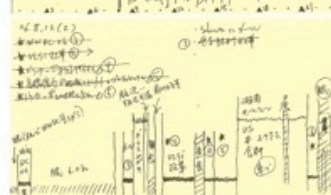
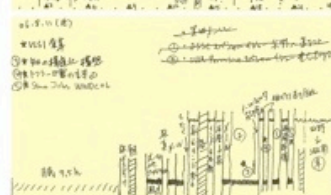
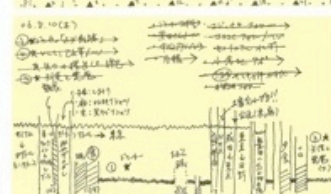
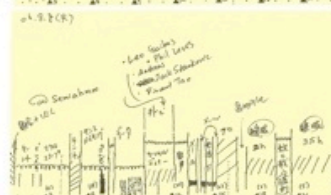
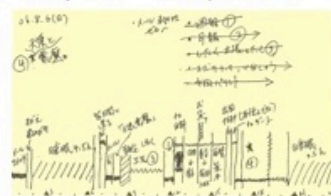
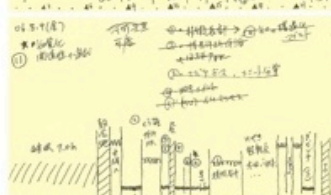
Tue

Wed

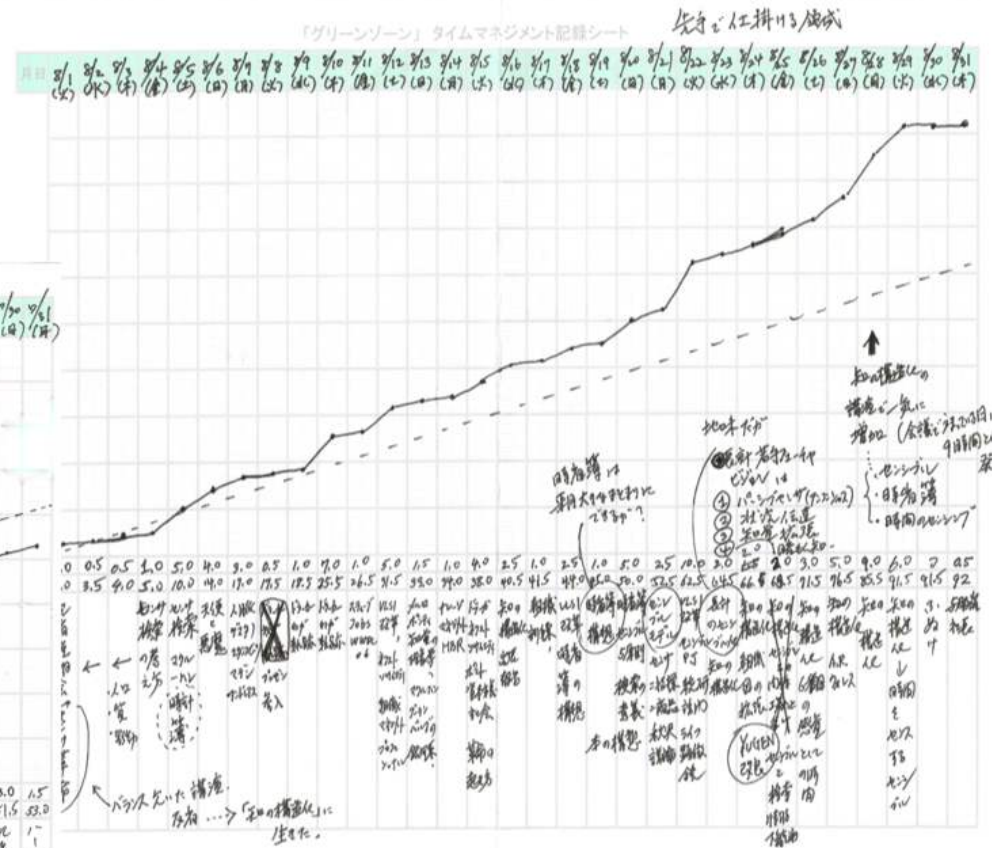
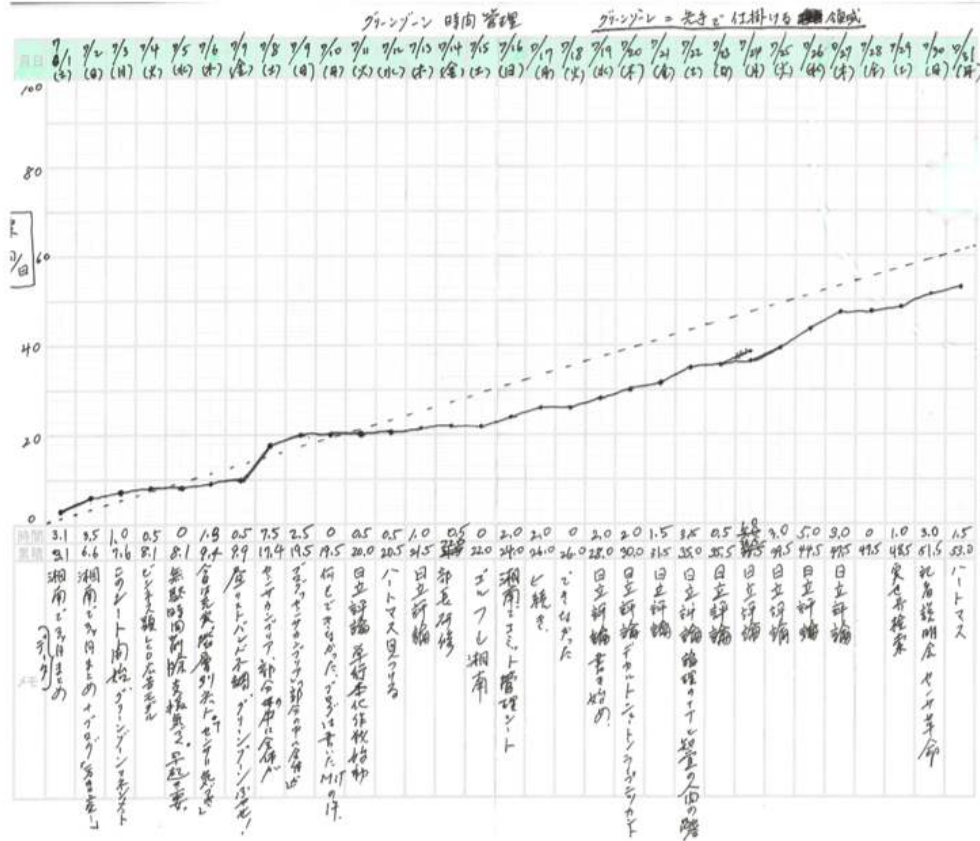
Thu

Fri

Sat



# "Proactive Time"





# As Frontier Science & Wisdom of Mankind

## ● Sensor x Human : **New Cambrian Explosion**

Alfred R. Wallace (1823-1913)

**Human  
x Sensor**

