Rating Station Performance

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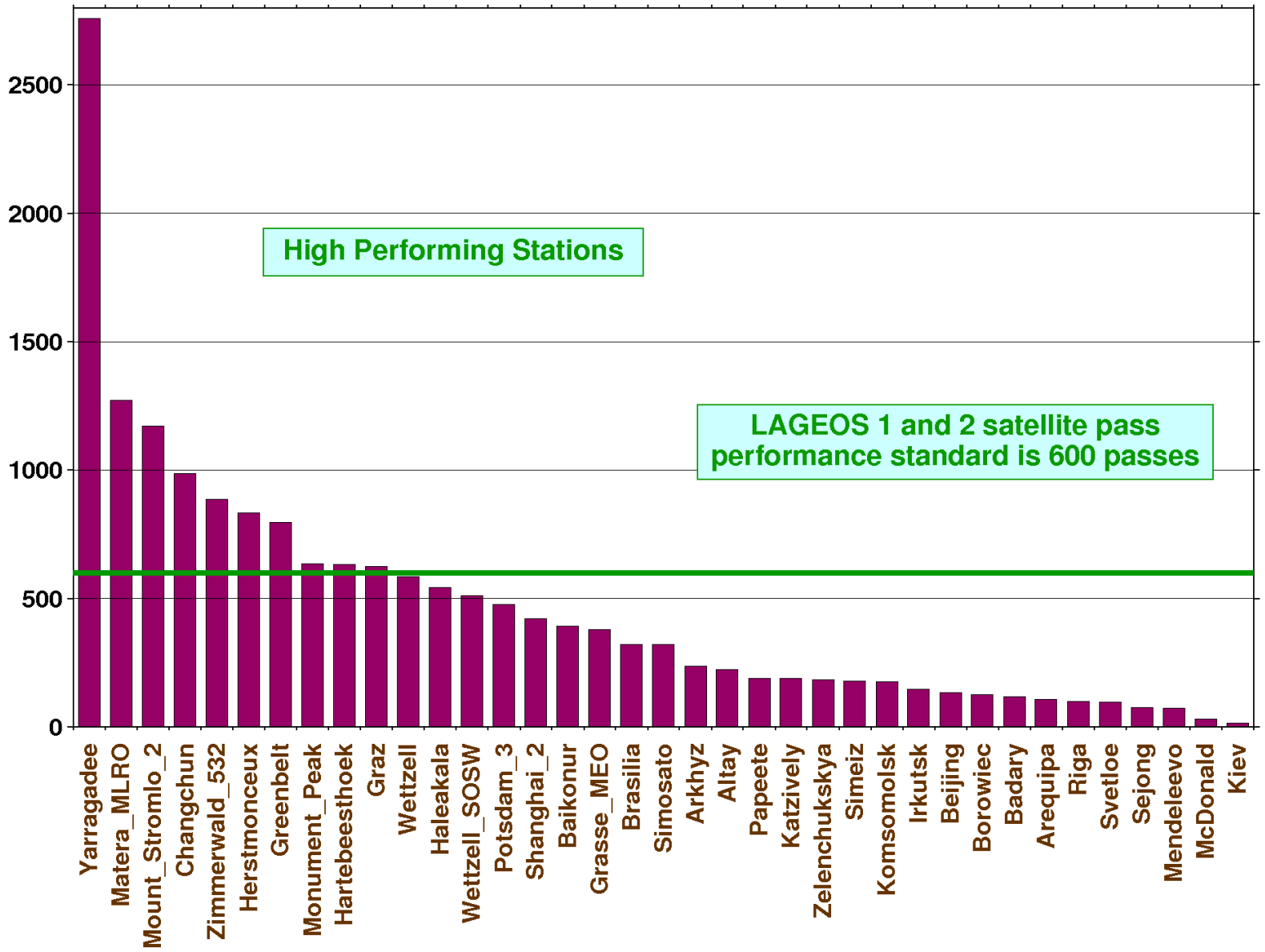
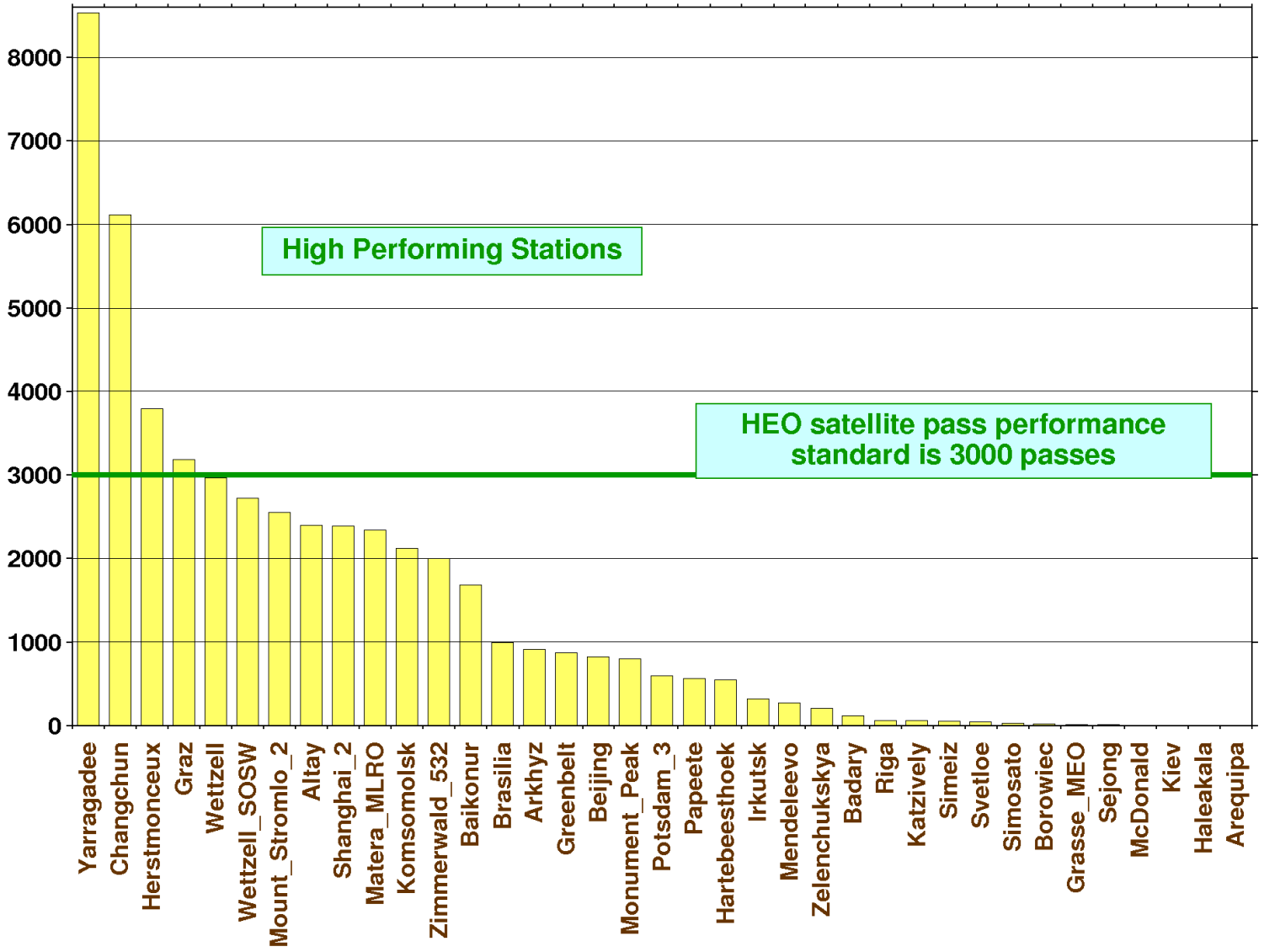
LAGEOS 1 and 2 passes
from July 1, 2016 through June 30, 2017



HEO passes
from July 1, 2016 through June 30, 2017



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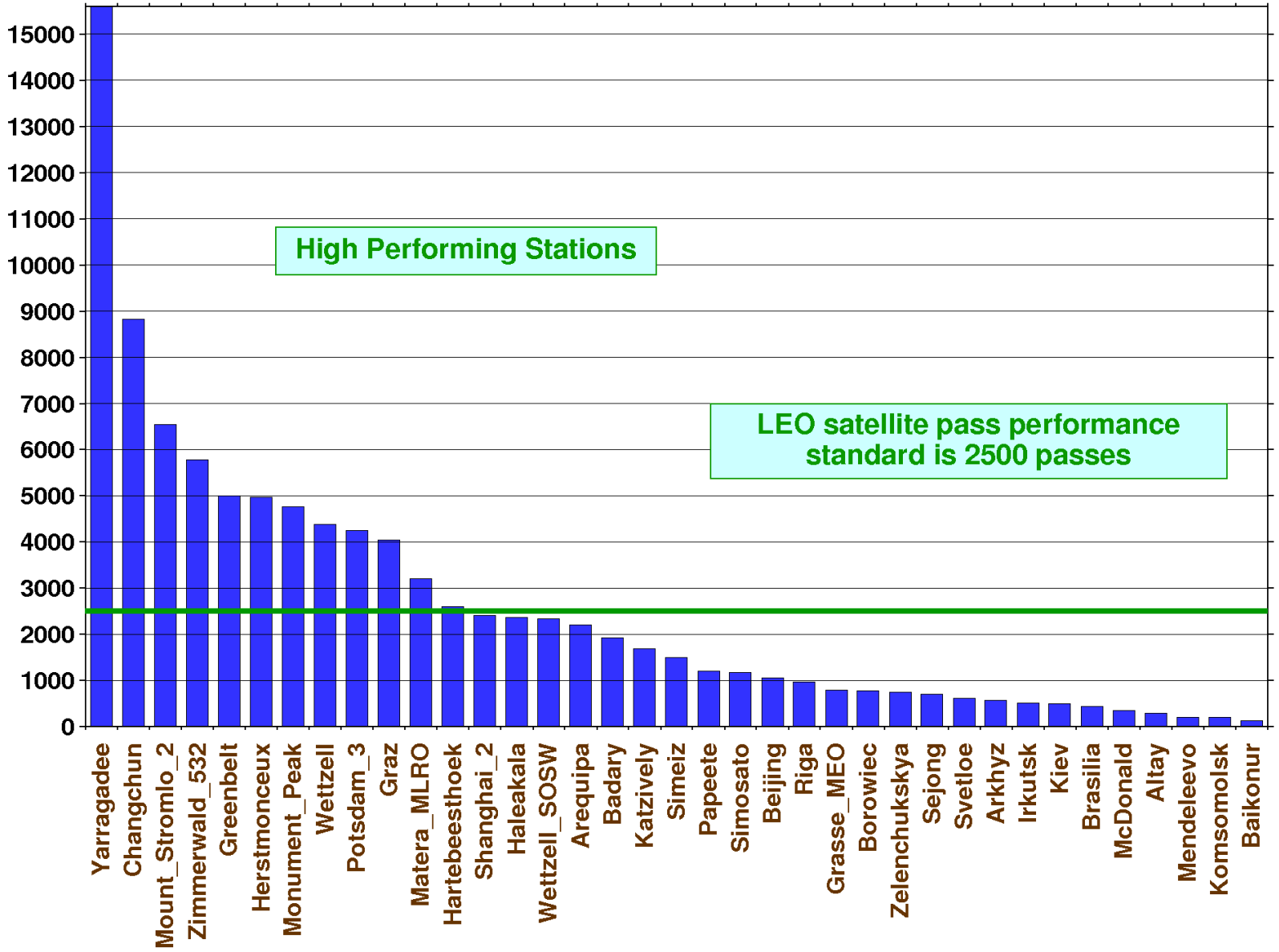
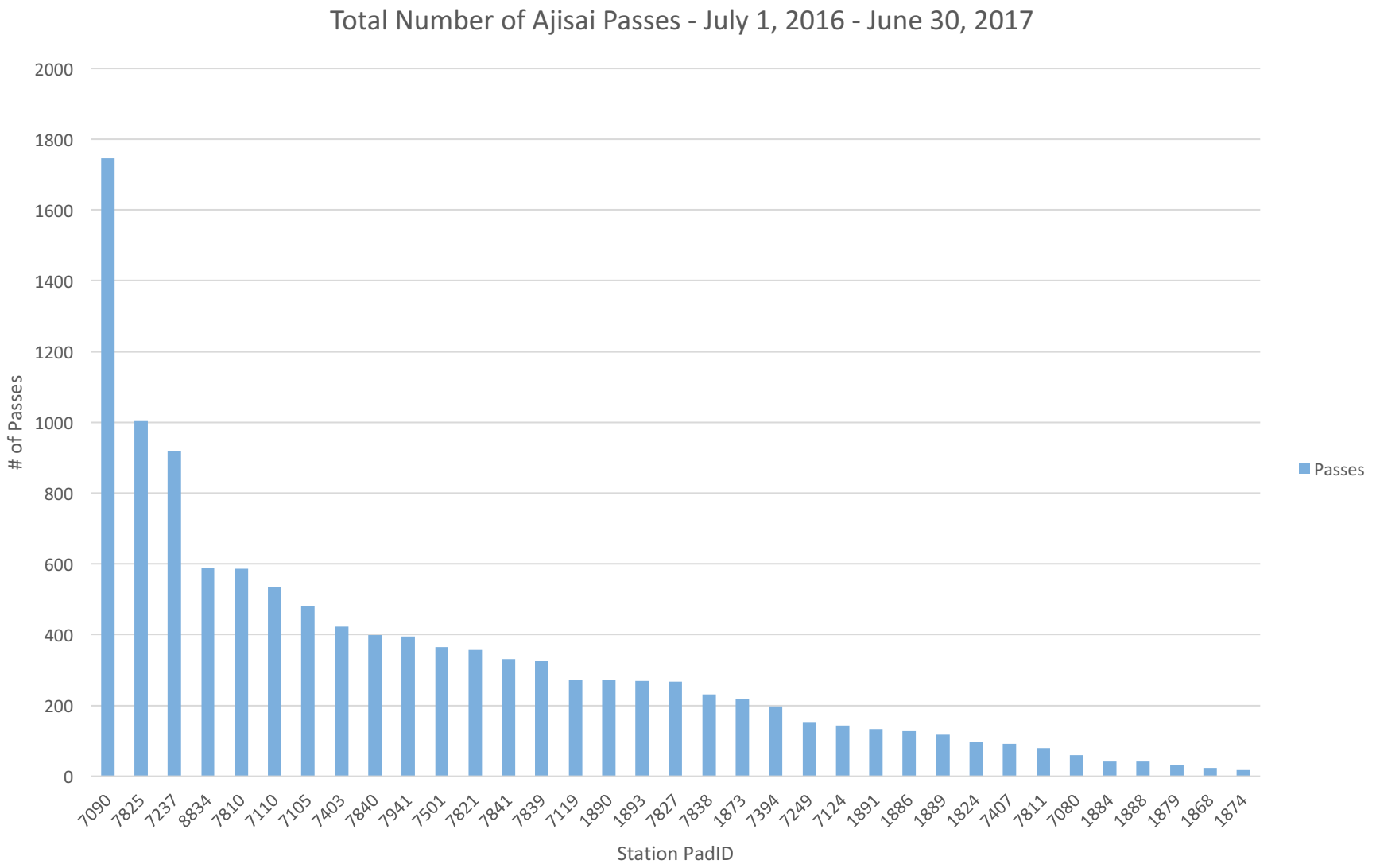
LEO passes
from July 1, 2016 through June 30, 2017




Total Number of Ajisai Passes - July 1, 2016 - June 30, 2017
# of Passes
2000
1800
1600
1400
1200
1000
800
600
400
200
0
7090
7825
7237
8834
7810
7110
7105
7403
7840
7941
7501
7821
7841
7839
7119
1890
1893
7827
7838
1873
7394
7249
7124
1891
1886
1889
1824
7407
7811
7080
1884
1888
1879
1868
1874
Station PadID
Passes

Weighted Performance Feedback

- Based on how well your station is meeting ILRS/IAG goals based on its ability
- Show how well your station is improving over time to meet those goals
- NOT a direct comparison of stations
- Control for/Allow for station variability
- Need input from the missions to set proper goals
- Input from the community as to what metrics would be useful

Suggested Candidate Metrics

Performance Metric
Total number of pass segments
Pass includes AOS, PCA, and LOS normal points
Adherence to (evolving) ILRS Priority list
Non-varying systematic biases/errors
average normal point precision
Is pass RMS a function of cal RMS?

Metric per Satellite Category (LEO, GNSS, LAGEOS, etc)
Number of satellites tracked
Number of passes
Number of normal points per segment
Number of segments per pass
average normal point precision
Is pass RMS a function of cal RMS?

Control For
Weather Effects
Station Operating Hours
Weekend/Holiday Tracking