ABSTRACT

Pertaining to a voyage of a ship, an acquisition unit 111 acquires weather and marine data indicating a voyage schedule that serves as a reference, actual performance data indicating actual performance of the voyage schedule and sailing conditions, fuel consumption data indicating fuel consumption corresponding to various sailing conditions and weather and marine conditions the ship has encountered during a voyage according to the reference data. A time difference data generation unit 112 calculates the difference between the time indicated by the reference data and the time indicated by the actual performance data for each of the journeys between ports, mooring at ports and the like. Projected fuel consumption calculation unit 113 calculates projected fuel consumption for each of the journeys between ports based on the reference data, weather and marine data and fuel consumption data. Fuel consumption difference data generation unit 114 calculates the difference between the projected fuel consumption and the actual fuel consumption amount indicated by the actual performance data for each of the journeys between ports.