



ROCK SEVEN
LOCATION COMMUNICATION



iridium[®]



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iridium[®]

Founded in 2005

Based in the UK

Iridium VAR since 2010

Specialist in IoT and Tracking



Why Iridium?

Reliable

Small Antennae

Low Cost

Low Power

LEO Advantages

Truly Global

Two-Way





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Two-way small data comms, anywhere on Earth

Example Costs

RockBLOCK Unit: £159 / €189 / \$209

US \$15 for sending 8kb of data per month

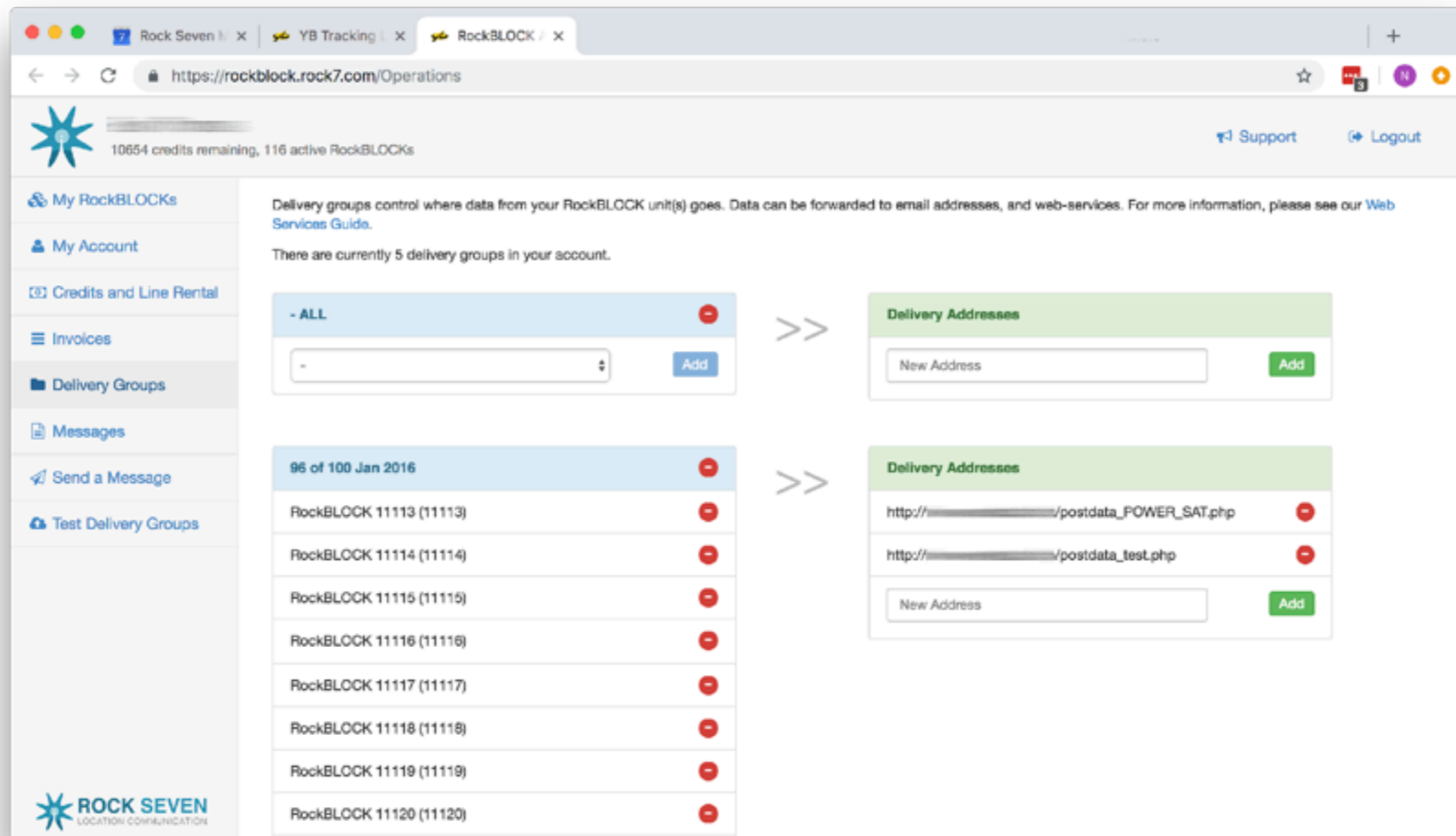
US \$19 for sending 12kb of data per month

US \$34 for sending 30kb of data per month

Data is pooled across estate



Online portal to define data destinations & manage usage/alerts etc.



The screenshot shows a web browser window with the URL <https://rockblock.rock7.com/Operations>. The page header displays the Rock Seven logo, account status (10654 credits remaining, 116 active RockBLOCKs), and links for Support and Logout. A left sidebar contains navigation options: My RockBLOCKs, My Account, Credits and Line Rental, Invoices, Delivery Groups (selected), Messages, Send a Message, and Test Delivery Groups. The main content area is titled "Delivery groups control where data from your RockBLOCK unit(s) goes. Data can be forwarded to email addresses, and web-services. For more information, please see our [Web Services Guide](#)." It states "There are currently 5 delivery groups in your account." Below this, there are two panels. The first panel, titled "- ALL", shows a dropdown menu with "-" selected and an "Add" button. The second panel, titled "96 of 100 Jan 2016", lists several RockBLOCK units with their IDs and red minus icons for removal. To the right of these panels, two "Delivery Addresses" configuration boxes are shown. The top box has a "New Address" input field and an "Add" button. The bottom box shows two existing addresses: "http://.../postdata_POWER_SAT.php" and "http://.../postdata_test.php", each with a red minus icon, and a "New Address" input field with an "Add" button.



The Ocean Cleanup

RockBLOCKs in the main collection floater

Also in a set of 50 micro buoys designed to replicate plastic debris to map flow





LSTS of Portugal, mapping ocean fronts

7 AUVs and UAVs w/Schmidt Ocean Institute

**Three weeks of autonomous data collection
and key finding transmissions**



NOAA AirCore

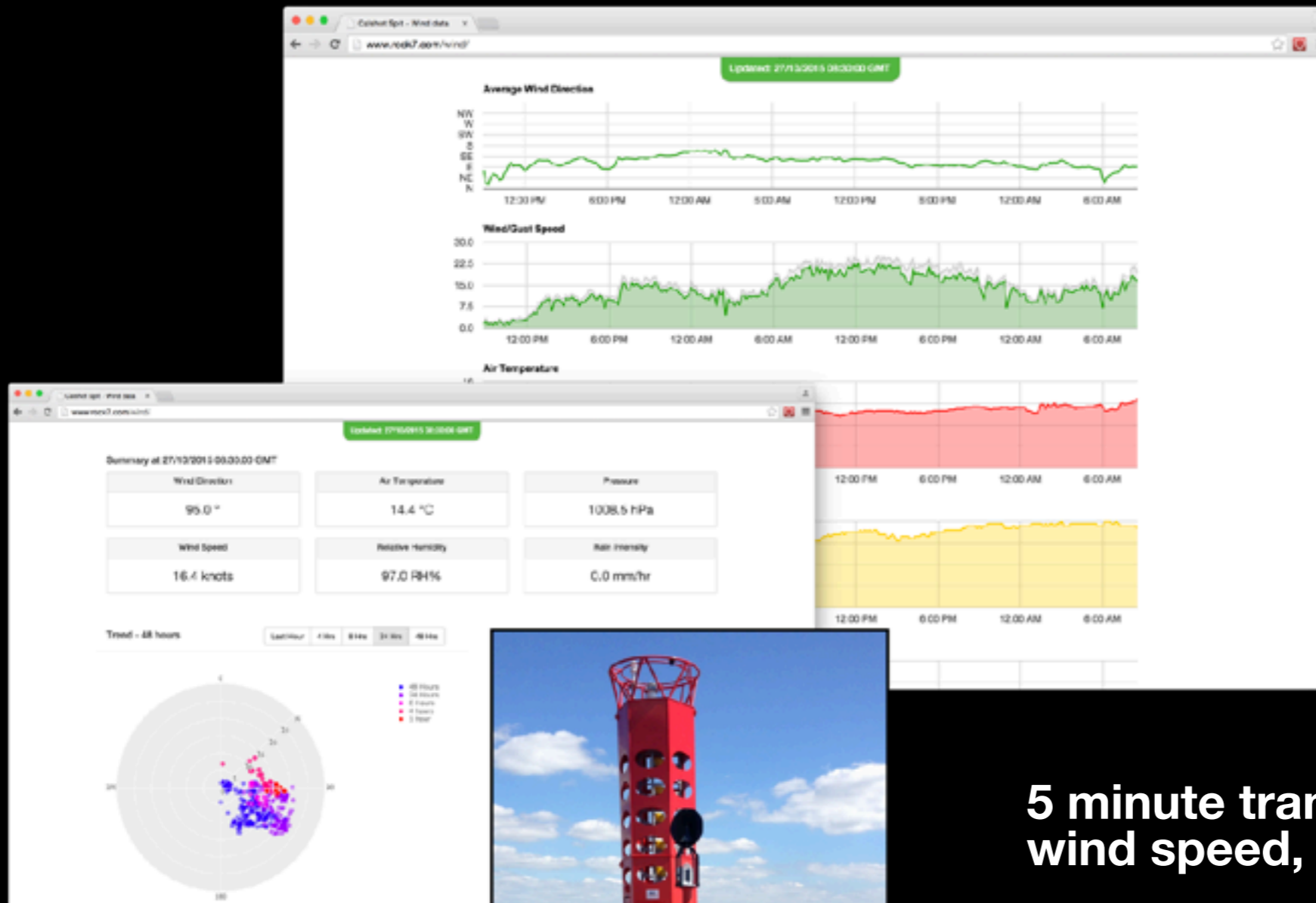
Collects a 'core' of air, on descent

RockBLOCK allows tracking data, but also remote detachment from balloon





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5 minute transmissions including wind speed, temperature, angles etc

RockFLEET product interfaced with Gill Instruments weather sensor for ABP Southampton



Our tracking products...



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www.rock7.com

nick.farrell@rock7.com