Supplement of Geosci. Model Dev., 12, 3449–3480, 2019
<https://doi.org/10.5194/gmd-12-3449-2019-supplement>
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Supplement of

VISIR-1.b: ocean surface gravity waves and currents for energy-efficient navigation

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VISIR routes in the Atlantic

Supplementary Material for manuscript:
<https://doi.org/10.5194/gmd-2018-292>

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Date: 2019-02-13

Version: 2.5

Contents

Route Id	Route name	Slide #
<u>1</u>	Buenos Aires - Port Elizabeth	3
<u>2</u>	Equator route	12
<u>3</u>	Norfolk - Algeciras	21
<u>4</u>	New York City – Le Havre	30
<u>5</u>	Santos - Mindelo	39
<u>6</u>	Mindelo - Genoa	48
<u>7</u>	Rotterdam - Algeciras	57
<u>8</u>	Miami - Panama	66
<u>9</u>	Boston - Miami	75

1. Buenos Aires - Port Elizabeth

waves--ARBUE-ZAPLZ

waves--ZAPLZ-ARBUE

current-waves--ARBUE-ZAPLZ

current-waves--ZAPLZ-ARBUE

Buenos Aires - Port Elizabeth, waves, 11 Mar

Buenos Aires - Port Elizabeth, currents and waves, 11 Mar

Port Elizabeth - Buenos Aires, waves, 16 Aug

Port Elizabeth - Buenos Aires, currents and waves, 16 Aug

CurrentsWaves-Geodetic__ARBUE-ZAPLZ

CurrentsWaves-Geodetic__ZAPLZ-ARBUE

CurrentsWaves-Waves__ARBUE-ZAPLZ

CurrentsWaves-Waves__ZAPLZ-ARBUE

2. Equator route

waves--BR000-GA000

waves--GA000-BR000

current-waves--BR000-GA000

current-waves--GA000-BR000

Brazil - Gabon, waves, 26 Jun

Brazil - Gabon, currents and waves, 26 Jun

Gabon - Brazil, waves, 06 Dec

Gabon - Brazil, currents and waves, 06 Dec

CurrentsWaves-Geodetic__BR000-GA000

CurrentsWaves-Geodetic__GA000-BR000

CurrentsWaves-Waves__BR000-GA000

CurrentsWaves-Waves__GA000-BR000

3. Norfolk - Algeciras

waves--USNFK-ESALG

waves--ESALG-USNFK

current-waves--USNFK-ESALG

current-waves--ESALG-USNFK

Norfolk - Algeciras, waves, 21 Jun

Norfolk - Algeciras, currents and waves, 21 Jun

Algeciras - Norfolk, waves, 16 Feb

Algeciras - Norfolk, currents and waves, 16 Feb

CurrentsWaves-Geodetic__USNFK-ESALG

CurrentsWaves-Geodetic__ESALG-USNFK

CurrentsWaves-Waves__USNFK-ESALG

CurrentsWaves-Waves__ESALG-USNFK

4. New York City - Le Havre

New York City - Le Havre, waves, 26 Sep

New York City - Le Havre, currents and waves, 26 Sep

$$-\Delta\text{EEOI}_{\text{CW,g}} = 4.9 \%$$

$$-\Delta\text{EEOI}_{\text{CW,W}} = 0.4 \%$$

Le Havre - New York City, waves, 01 Apr

Le Havre - New York City, currents and waves, 01 Apr

$$-\Delta\text{EEOI}_{\text{CW,g}} = 3.1 \%$$

$$-\Delta\text{EEOI}_{\text{CW,w}} = 1.0 \%$$

CurrentsWaves-Geodetic__USNYC-FRLEH

CurrentsWaves-Geodetic__FRLEH-USNYC

CurrentsWaves-Waves__USNYC-FRLEH

CurrentsWaves-Waves__FRLEH-USNYC

5. Santos - Mindelo

waves--BRSSZ-CVMIN

waves--CVMIN-BRSSZ

current-waves--BRSSZ-CVMIN

current-waves--CVMIN-BRSSZ

Santos - Mindelo, waves, 11 Dec

Santos - Mindelo, currents and waves, 11 Dec

Mindelo - Santos, waves, 21 Jul

Mindelo - Santos, currents and waves, 21 Jul

6. Mindelo - Genoa

waves--CVMIN-ITGOA

waves--ITGOA-CVMIN

current-waves--CVMIN-ITGOA

current-waves--ITGOA-CVMIN

Mindelo - Genoa, waves, 21 Jan

Mindelo - Genoa, currents and waves, 21 Jan

Genoa - Mindelo, waves, 16 Aug

Genoa - Mindelo, currents and waves, 16 Aug

7. Rotterdam - Algeciras

waves--NLRTM-ESALG

waves--ESALG-NLRTM

current-waves--NLRTM-ESALG

current-waves--ESALG-NLRTM

Rotterdam - Algeciras, waves, 01 Feb

Rotterdam - Algeciras, currents and waves, 01 Feb

Algeciras - Rotterdam, waves, 16 Dec

Algeciras - Rotterdam, currents and waves, 16 Dec

CurrentsWaves-Geodetic__NLRTM-ESALG

CurrentsWaves-Geodetic__ESALG-NLRTM

CurrentsWaves-Waves__NLRTM-ESALG

CurrentsWaves-Waves__ESALG-NLRTM

8. Miami - Panama

waves--USMIA-USPFN

waves--USPFN-USMIA

current-waves--USMIA-USPFN

current-waves--USPFN-USMIA

Miami - Panama, waves, 11 Sep

Miami - Panama, currents and waves, 11 Sep

$$-\Delta EEOI_{cw,g} = 6.5 \%$$

$$-\Delta EEOI_{cw,w} = 4.2 \%$$

Panama - Miami, waves, 06 Mar

Panama - Miami, currents and waves, 06 Mar

$$-\Delta\text{EEOI}_{\text{cw,g}} = 2.3 \%$$

$$-\Delta\text{EEOI}_{\text{cw,w}} = 2.7 \%$$

CurrentsWaves-Geodetic__USMIA-USPFN

CurrentsWaves-Geodetic__USPFN-USMIA

CurrentsWaves-Waves__USMIA-USPFN

CurrentsWaves-Waves__USPFN-USMIA

9. Boston - Miami

waves--USBOS-USMIA

waves--USMIA-USBOS

current-waves--USBOS-USMIA

current-waves--USMIA-USBOS

Boston - Miami, waves, 16 May

Boston - Miami, currents and waves, 16 May

Miami - Boston, waves, 06 Nov

Miami - Boston, currents and waves, 06 Nov

CurrentsWaves-Geodetic__USBOS-USMIA

CurrentsWaves-Geodetic__USMIA-USBOS

CurrentsWaves-Waves__USBOS-USMIA

CurrentsWaves-Waves__USMIA-USBOS

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 633211.