

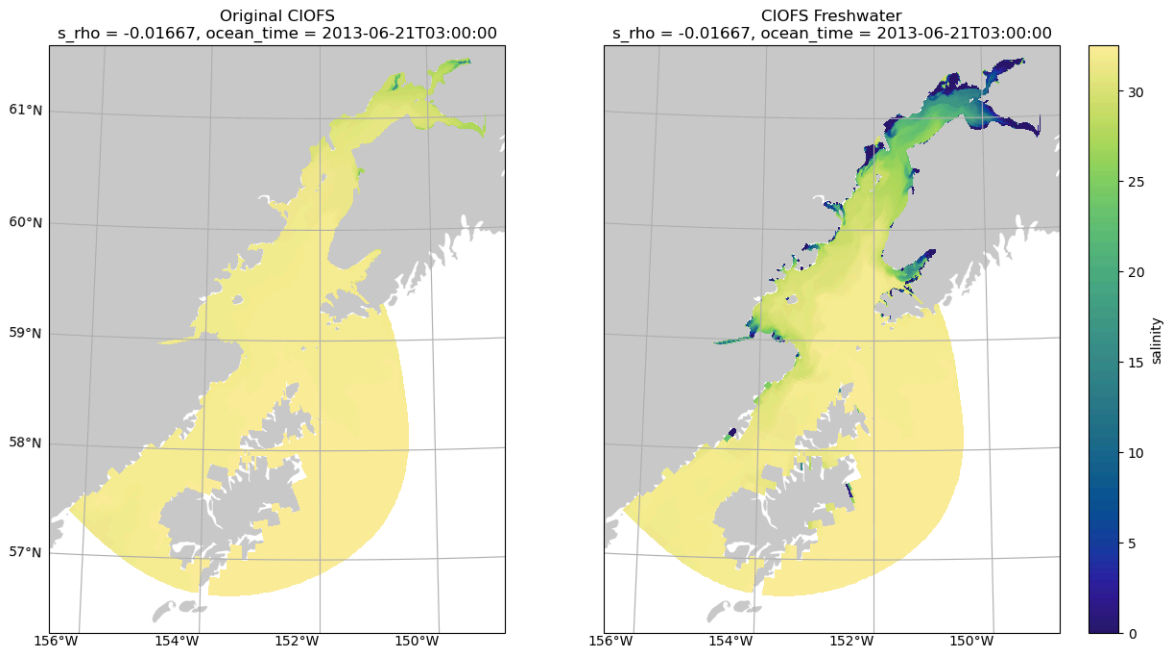
Cook Inlet Circulation Modeling - Freshwater Forcing Experiment and Lagrangian Analysis

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Final Report to the National Oceanic Atmospheric Administration National Centers for Coastal Ocean Science Kasitsna Bay Lab



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October 11, 2024

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Online report: <https://ciofs-fresh.axds.co/>

PDFs of parts of report:

- [Main content](#)
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- [Model-data comparison: CTD transects](#)
- [Model-data comparison: CTD profiles](#)
- [Model-data comparison: HF Radar](#)
- [Model-data comparison: ADCP](#)
- [Model-data comparison: drifters](#)

Overview ADCP Data

Comparisons between each model and ADCP datasets are shown below, first in Taylor diagrams, then in maps of skill scores where each marker is colored to indicate the skill score of the comparison.

The two models perform similarly to each other with the exception of increased variance in CIOFS Fresh for subtidal variable comparisons. They both generally perform well for tidal time series and only moderately well for subtidal time series.

[77MB zipfile of plots and stats files](#)

Map of Stations

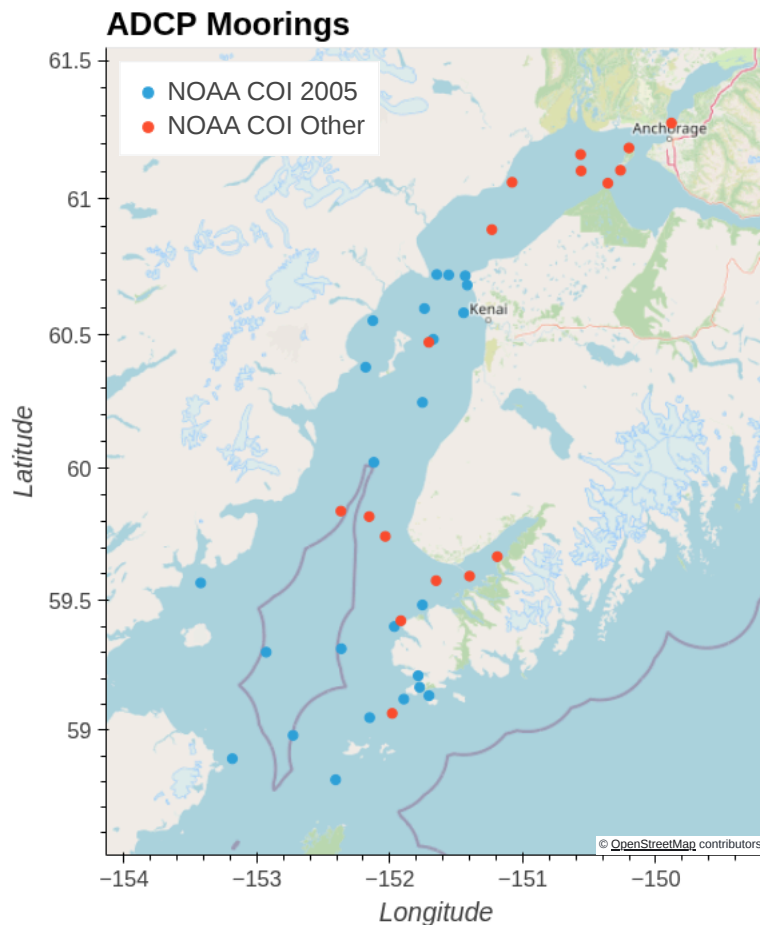


Fig. 1 All ADCP deployments, by project. Click on a legend entry to toggle the transparency. (HTML plot, won't show up correctly in PDF.)

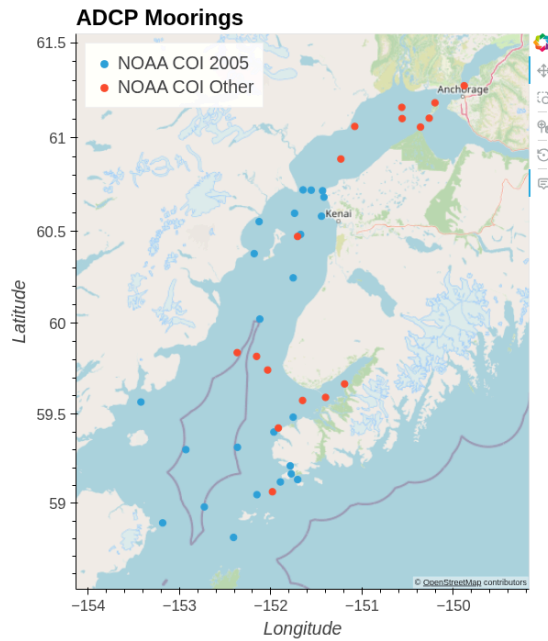


Fig. 2 All ADCP deployments, by project. (PNG screenshot, available for PDF and for saving image.)

Taylor Diagrams

Taylor diagrams summarize the skill of the two models in capturing the ADCP moorings. The data has been grouped by region (Figs. 3, 4, 5) and season (Figs. 6, 7, 8). The results show that CIOFS fresh and CIOFS hindcast perform similarly for tidal results. For the subtidal along-channel velocity component by region, CIOFS Hindcast and CIOFS Fresh have mostly similar correlation coefficients, but CIOFS Fresh has more accurate variance. By season, CIOFS Fresh has more accurate variance again though in the spring both models have too high of variance. For the across-channel subtidal component, the two models again have similar correlation coefficients but CIOFS Fresh has more accurate variance in Upper Cook Inlet; in Kachemak Bay and Central Cook Inlet CIOFS Hindcast is more accurate. When considering subtidal speed, we see that the two models perform similarly to each other. Skill scores are shown in the next plots for each dataset.

ADCP Moored by Region

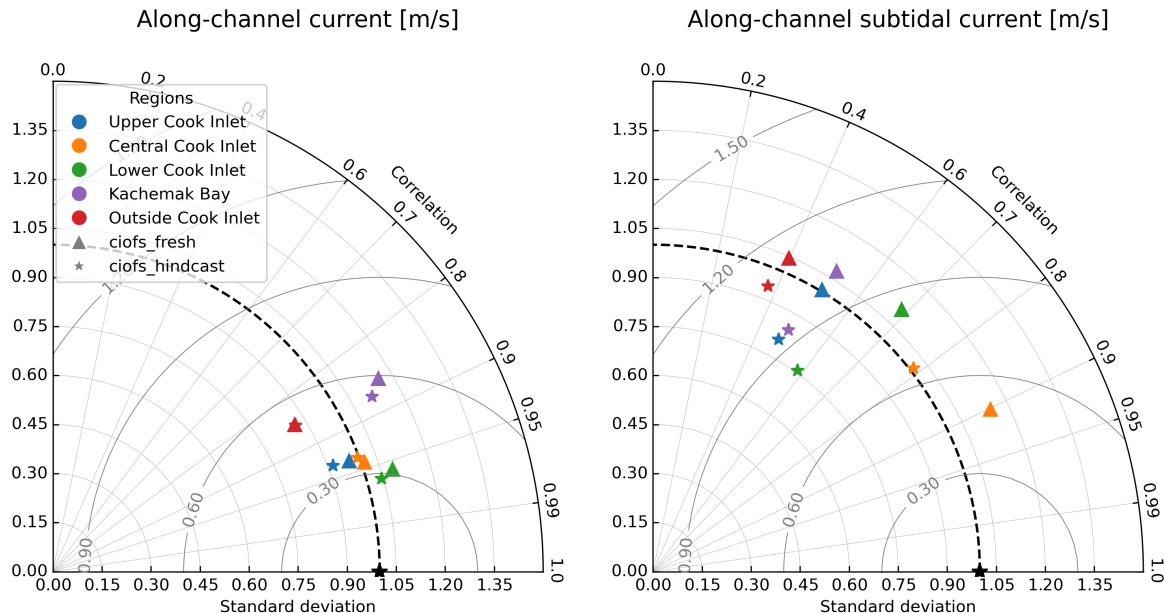


Fig. 3 Taylor Diagram summarizing skill of CIOFS Hindcast (stars) and CIOFS Fresh (triangles) for the along-channel component of velocity with tides (left) and subtidal (right), grouped by region of Cook Inlet, for moored ADCP datasets.

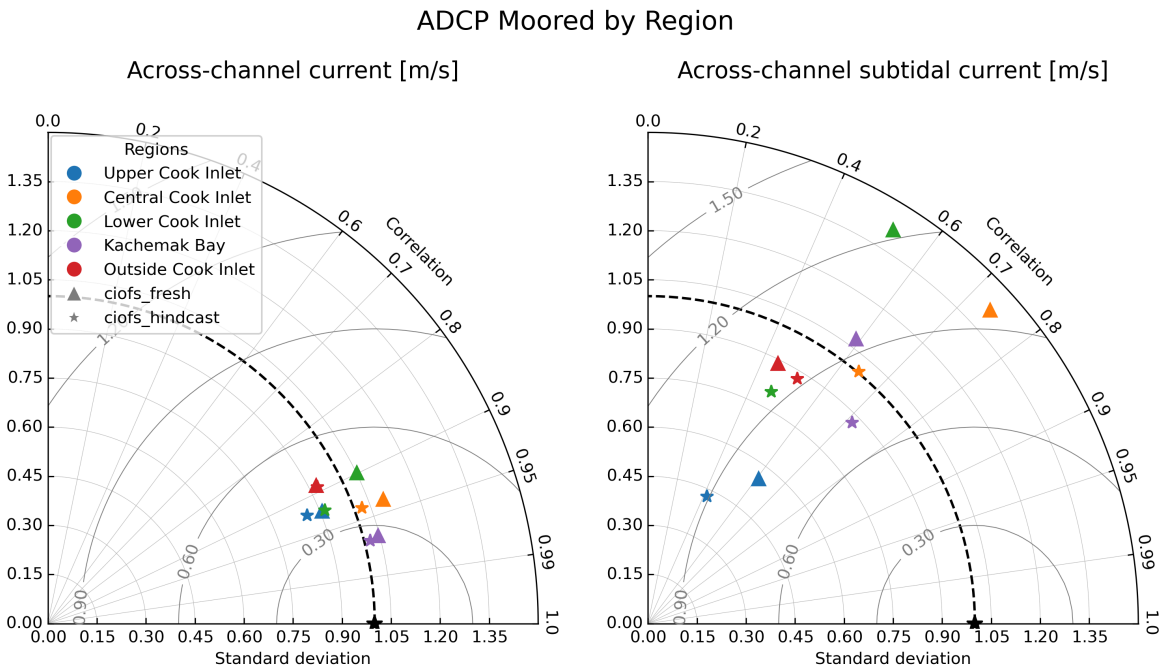


Fig. 4 Taylor Diagram summarizing skill of CIOFS Hindcast (stars) and CIOFS Fresh (triangles) for the across-channel component of velocity with tides (left) and subtidal (right), grouped by region of Cook Inlet, for moored ADCP datasets.

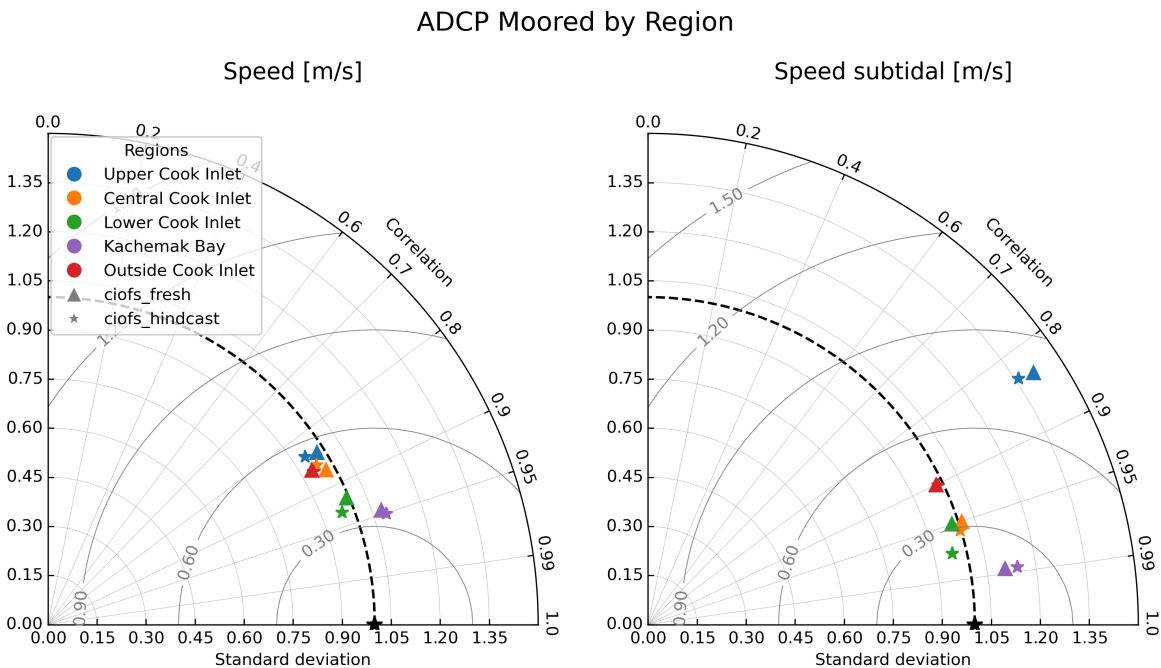


Fig. 5 Taylor Diagram summarizing skill of CIOFS Hindcast (stars) and CIOFS Fresh (triangles) for the magnitude of velocity with tides (left) and subtidal (right), grouped by region of Cook Inlet, for moored ADCP datasets.

ADCP Moored by Season

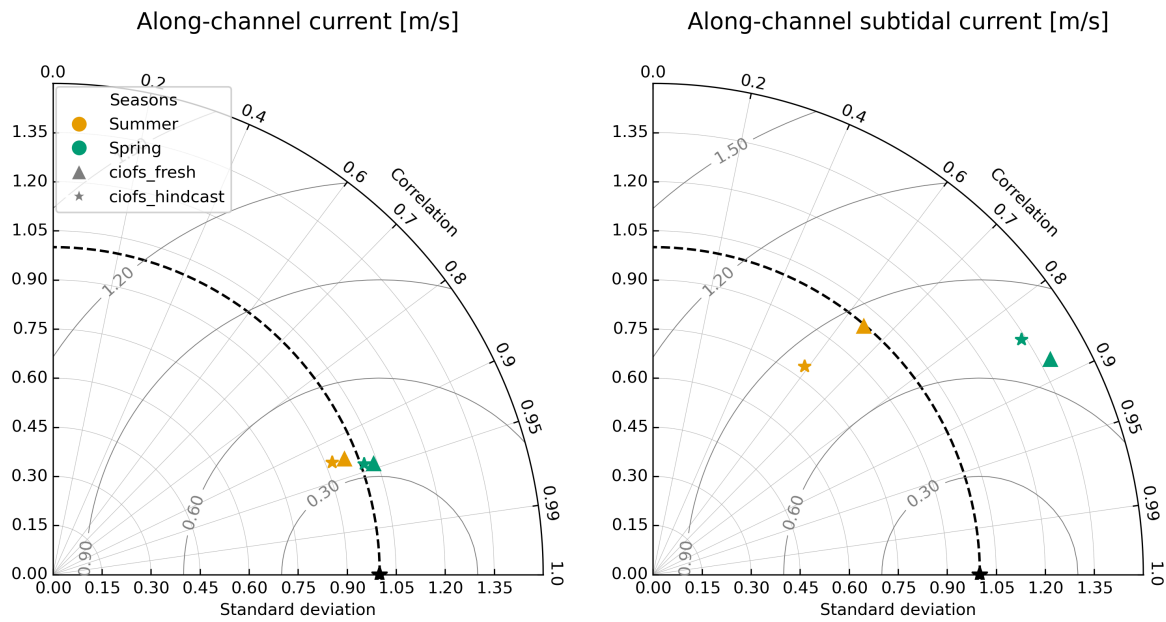


Fig. 6 Taylor Diagram summarizing skill of CIOFS Hindcast (stars) and CIOFS Fresh (triangles) for the along-channel component of velocity with tides (left) and subtidal (right), grouped by season, for moored ADCP datasets.

ADCP Moored by Season

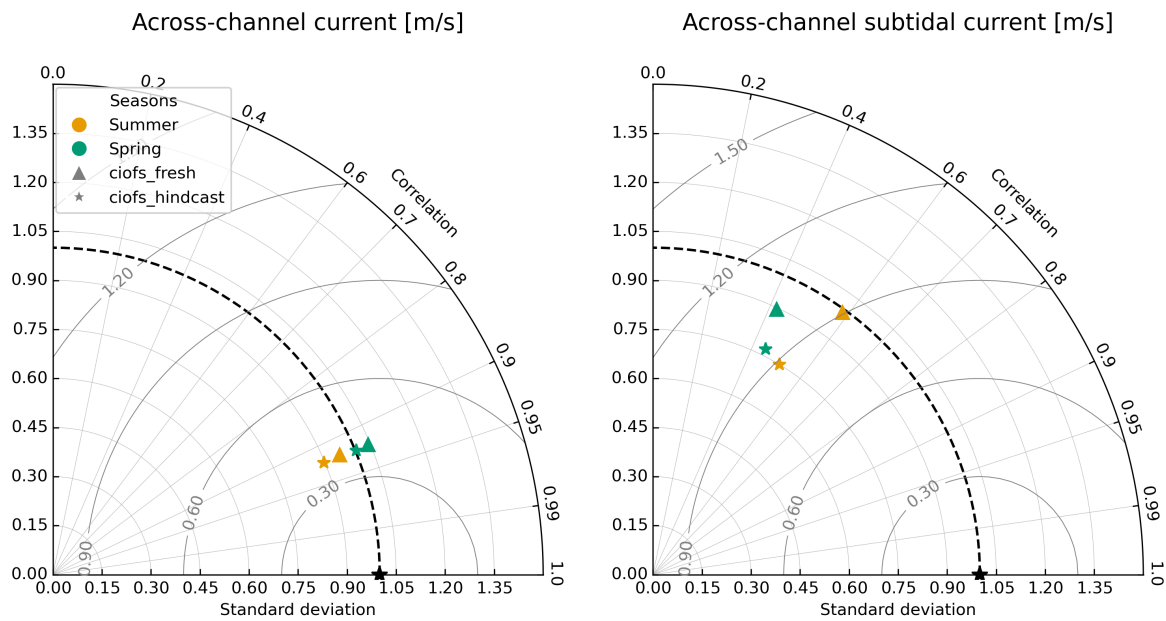


Fig. 7 Taylor Diagram summarizing skill of CIOFS Hindcast (stars) and CIOFS Fresh (triangles) for the across-channel component of velocity with tides (left) and subtidal (right), grouped by season, for moored ADCP datasets.

ADCP Moored by Season

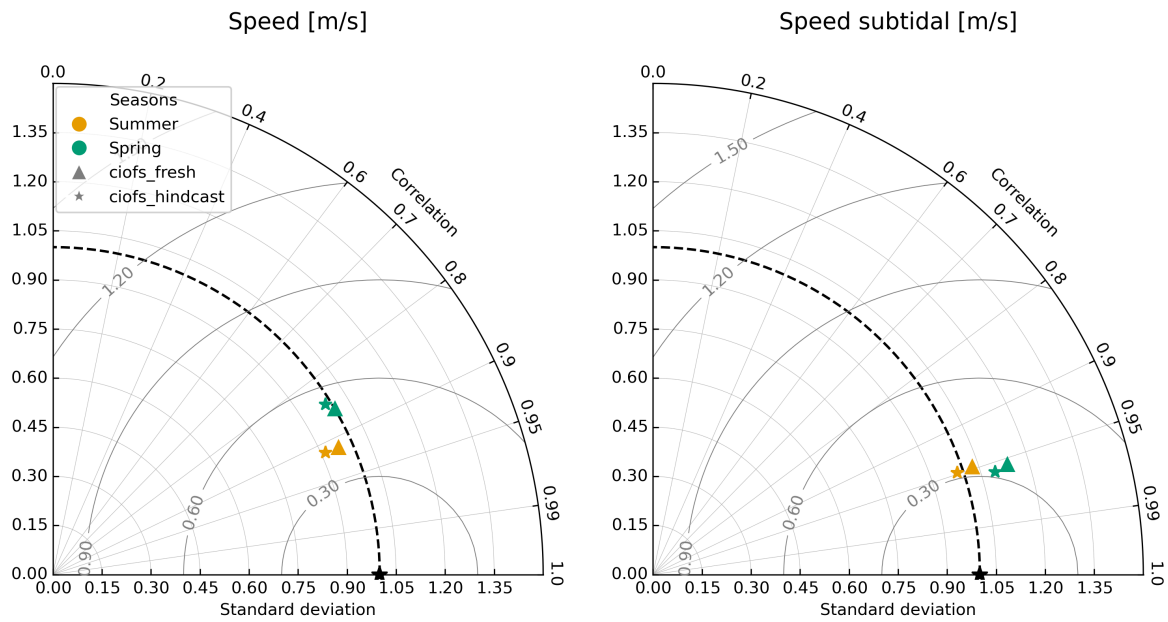
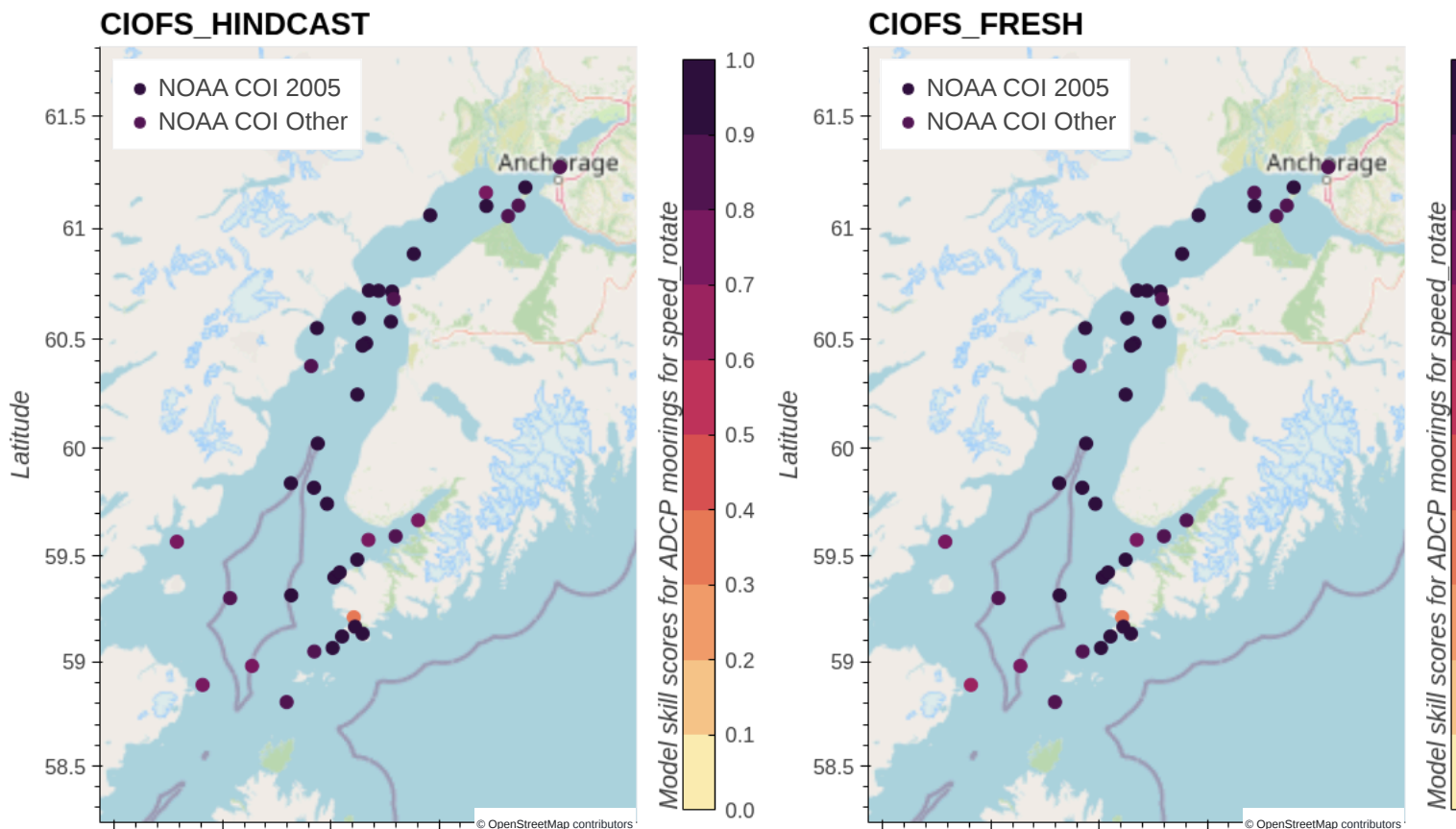


Fig. 8 Taylor Diagram summarizing skill of CIOFS Hindcast (stars) and CIOFS Fresh (triangles) for the magnitude of velocity with tides (left) and subtidal (right), grouped by season, for moored ADCP datasets.

Tidal

Horizontal Speed



-154 -153 -152 -151 -150
Longitude

-154 -153 -152 -151 -150
Longitude

Fig. 9 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for horizontal speed, by project. Click on a legend entry to toggle the transparency. (HTML plot, won't show up correctly in PDF.)

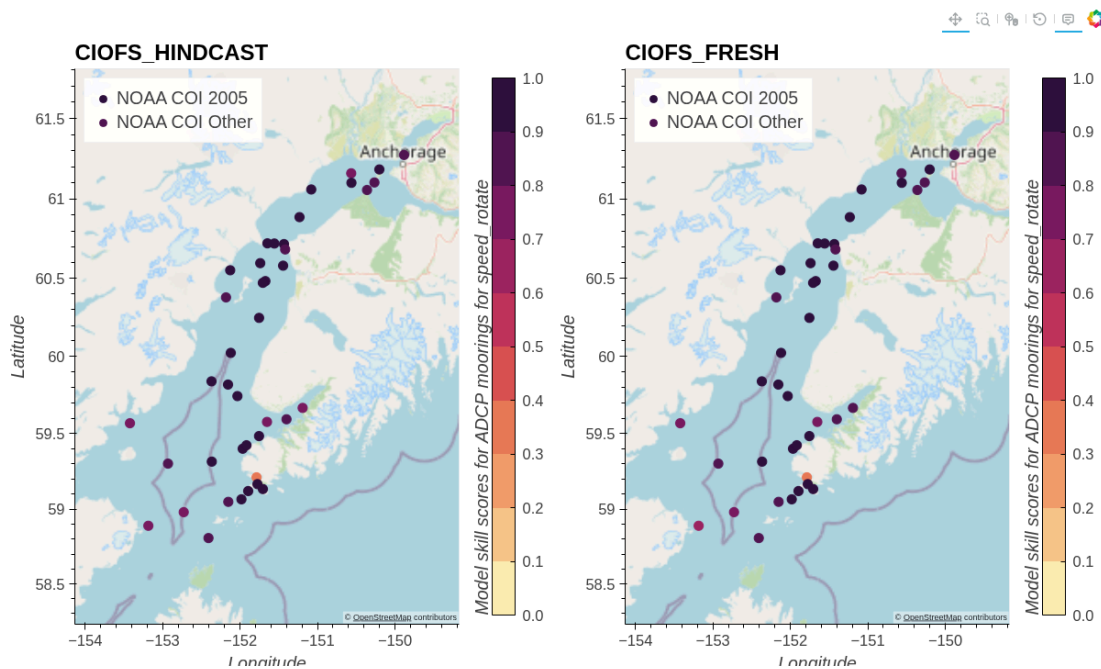
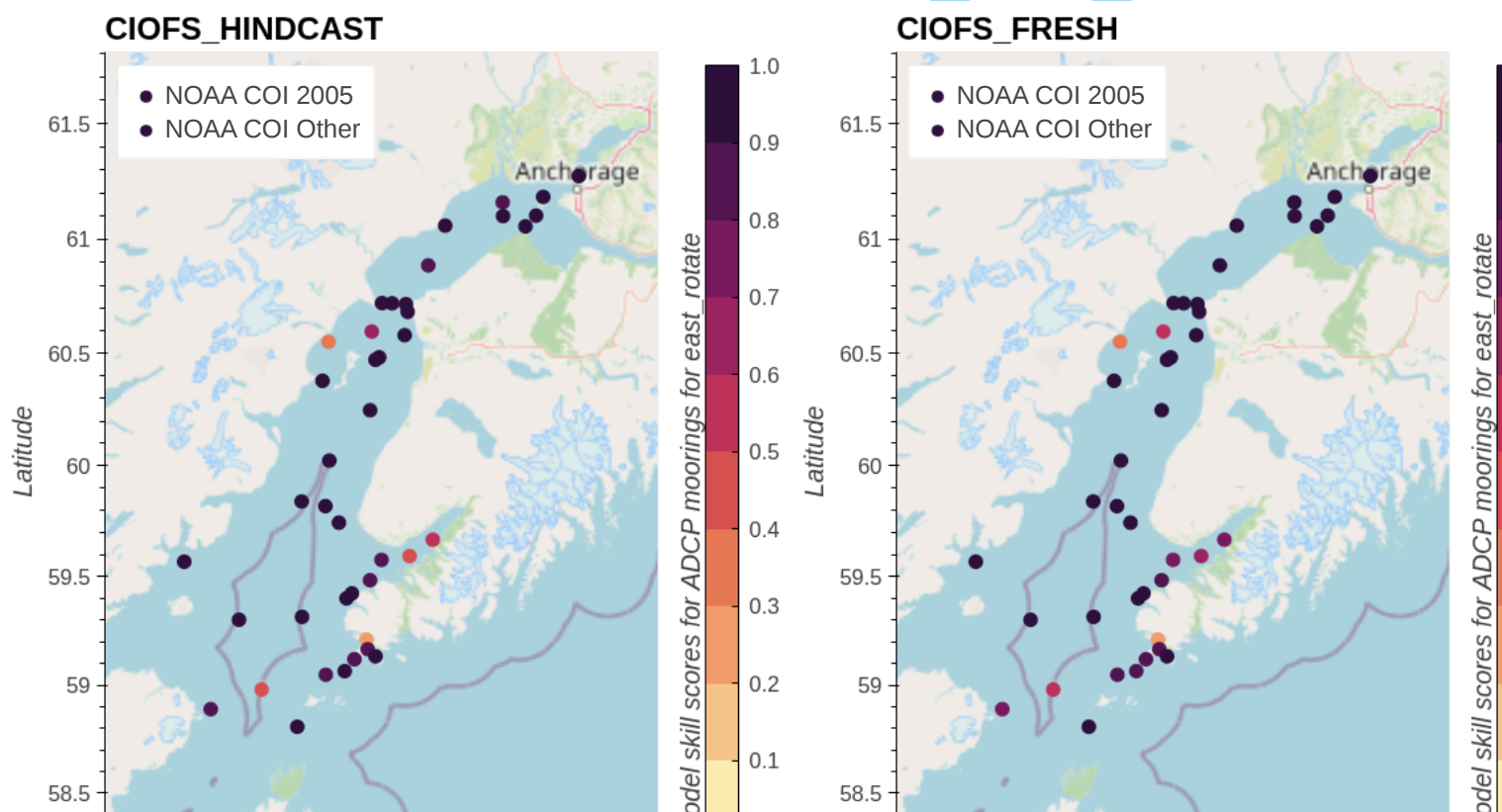


Fig. 10 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for horizontal speed, by project. (PNG screenshot, available for PDF and for saving image.)

Along-Channel Velocity



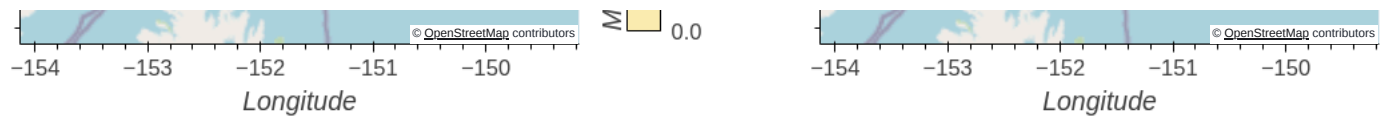


Fig. 11 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for along-channel velocity, by project. Click on a legend entry to toggle the transparency. (HTML plot, won't show up correctly in PDF.)

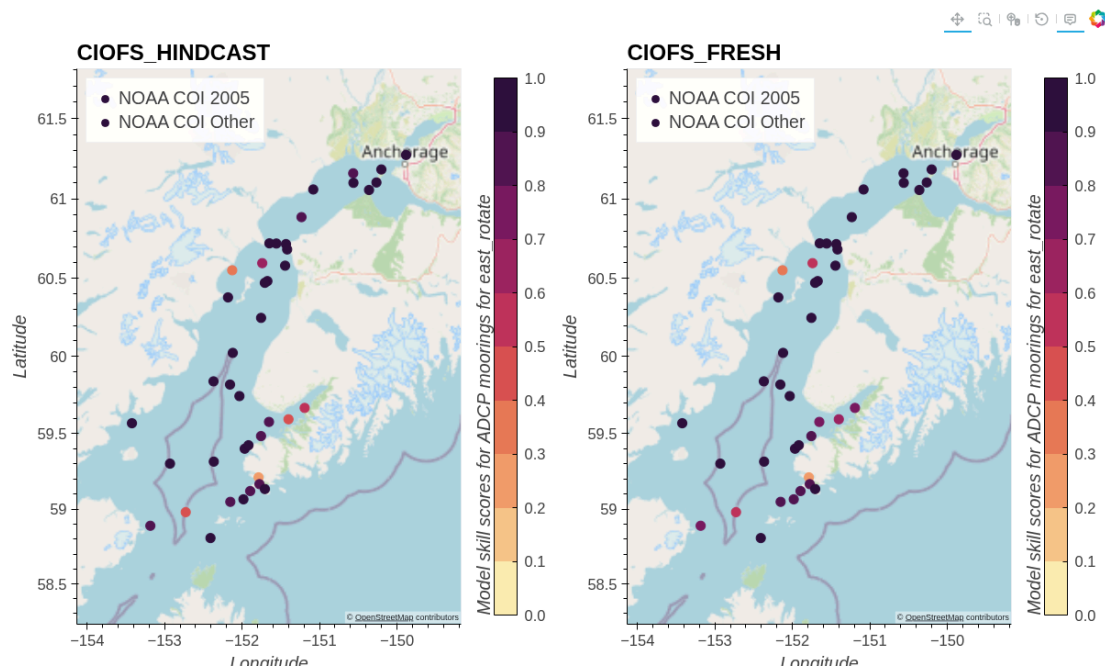
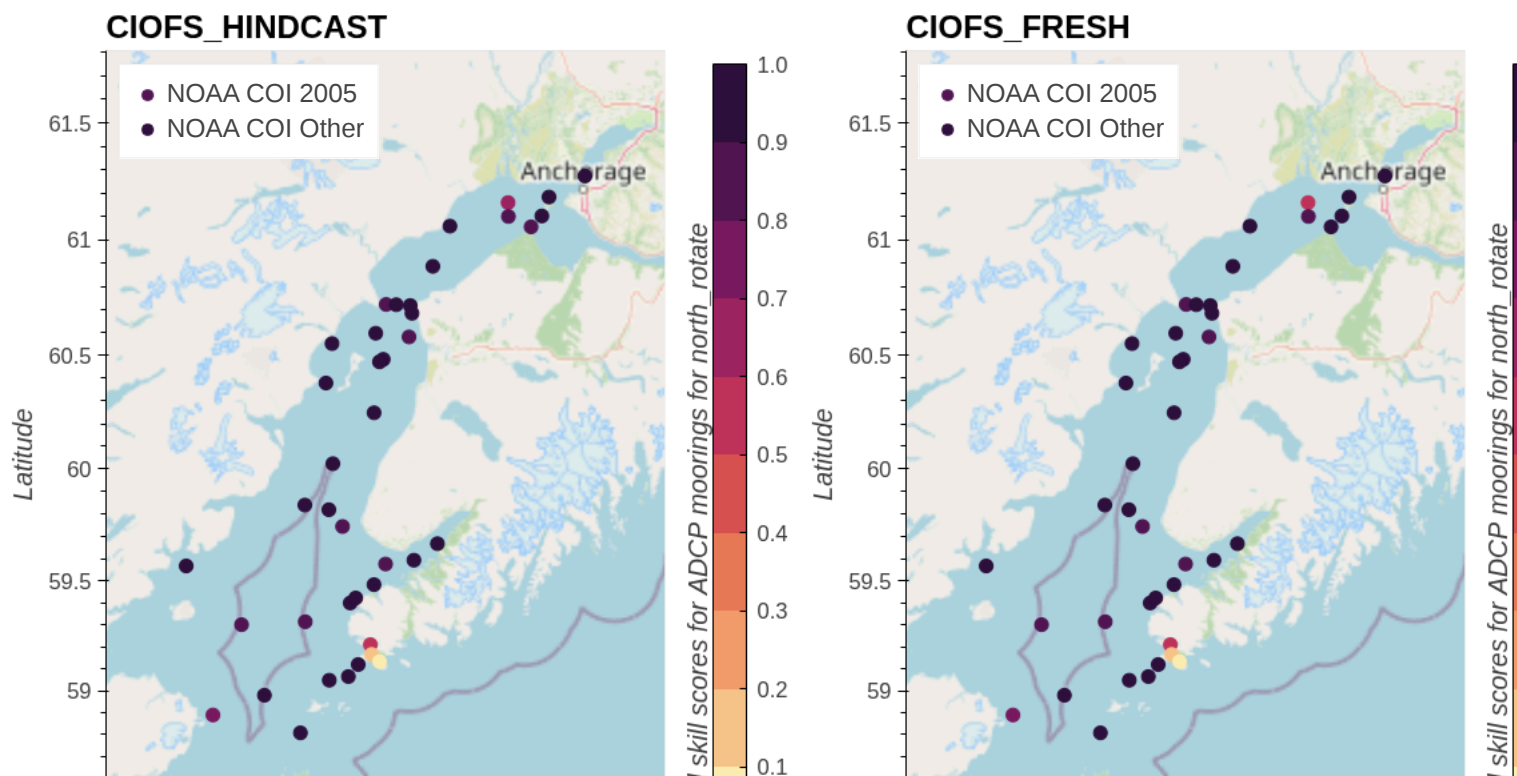


Fig. 12 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for along-channel velocity, by project. (PNG screenshot, available for PDF and for saving image.)

Across-Channel Velocity



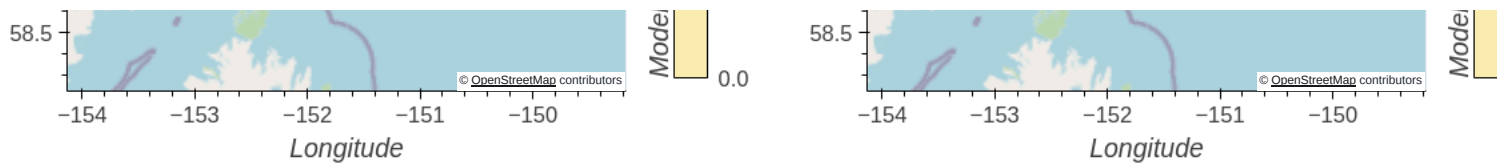


Fig. 13 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for across-channel velocity, by project. Click on a legend entry to toggle the transparency. (HTML plot, won't show up correctly in PDF.)

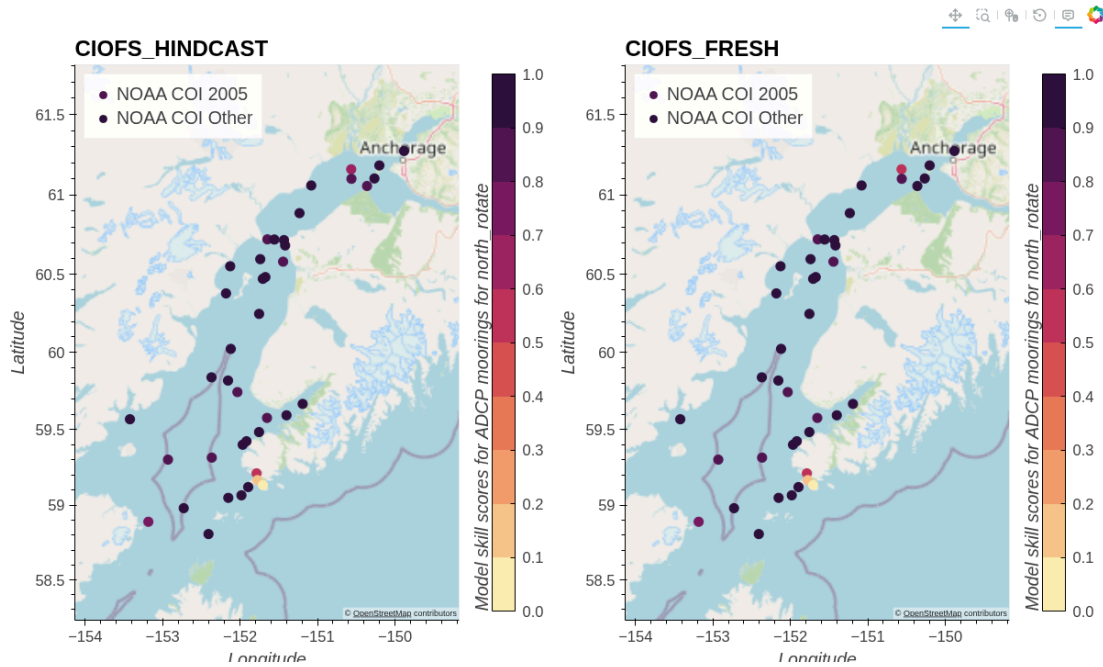
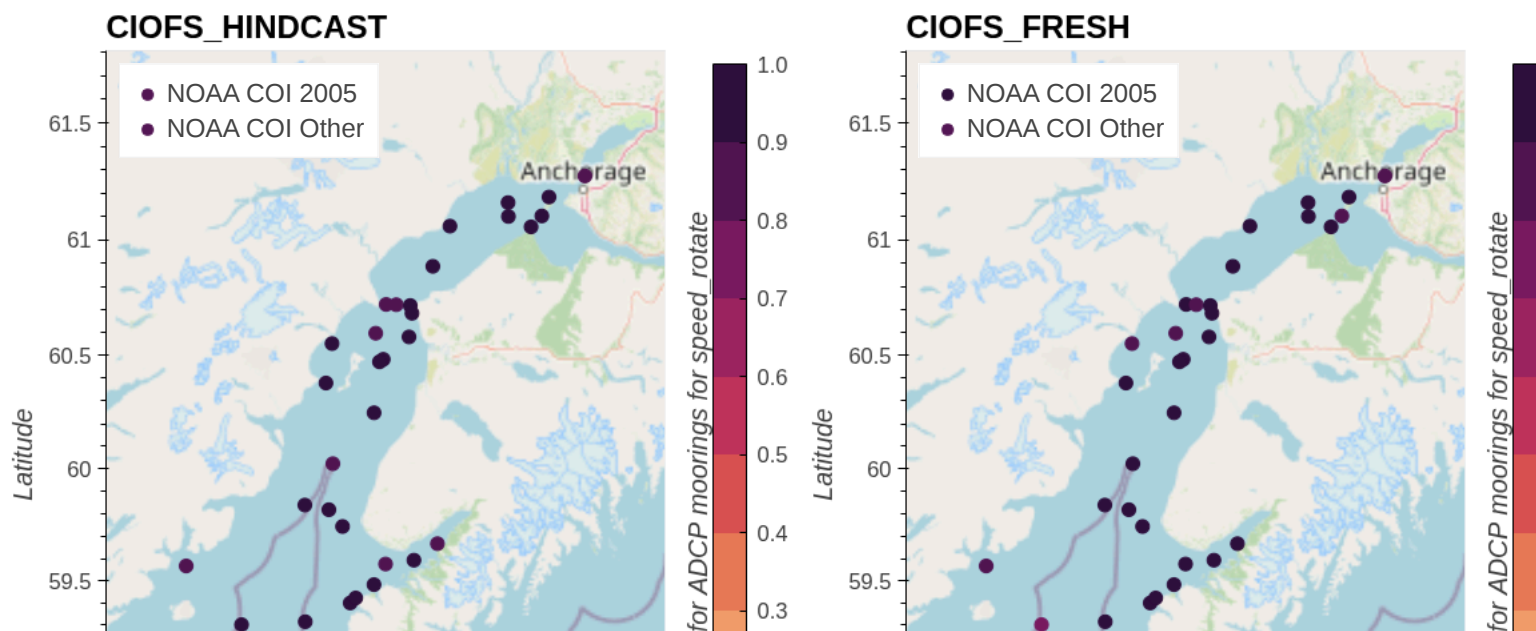


Fig. 14 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for across-channel velocity, by project. (PNG screenshot, available for PDF and for saving image.)

Subtidal

Horizontal Speed



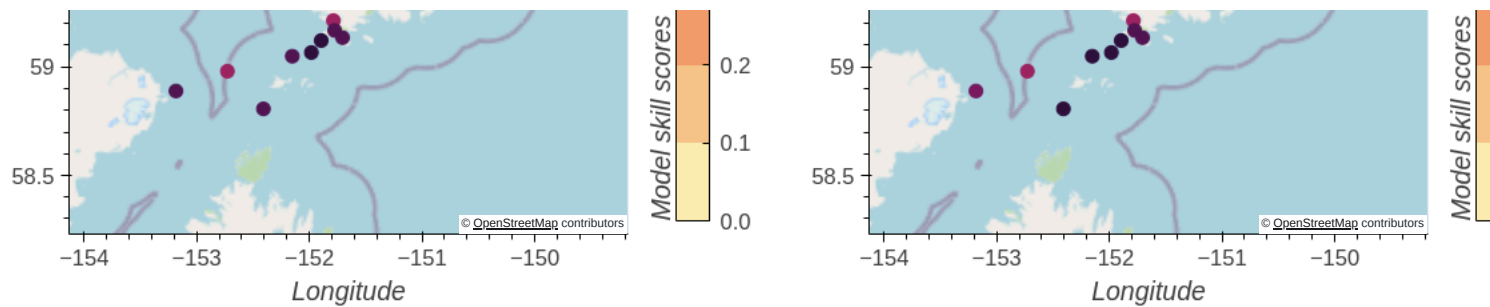


Fig. 15 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for subtidal horizontal speed, by project. Click on a legend entry to toggle the transparency. (HTML plot, won't show up correctly in PDF.)

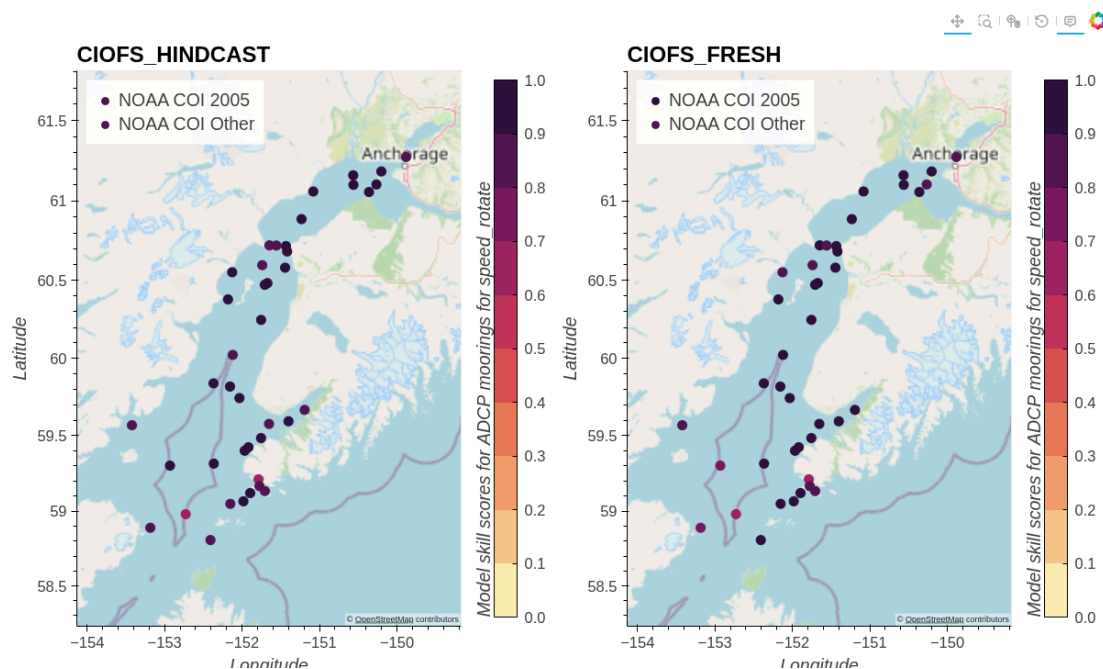
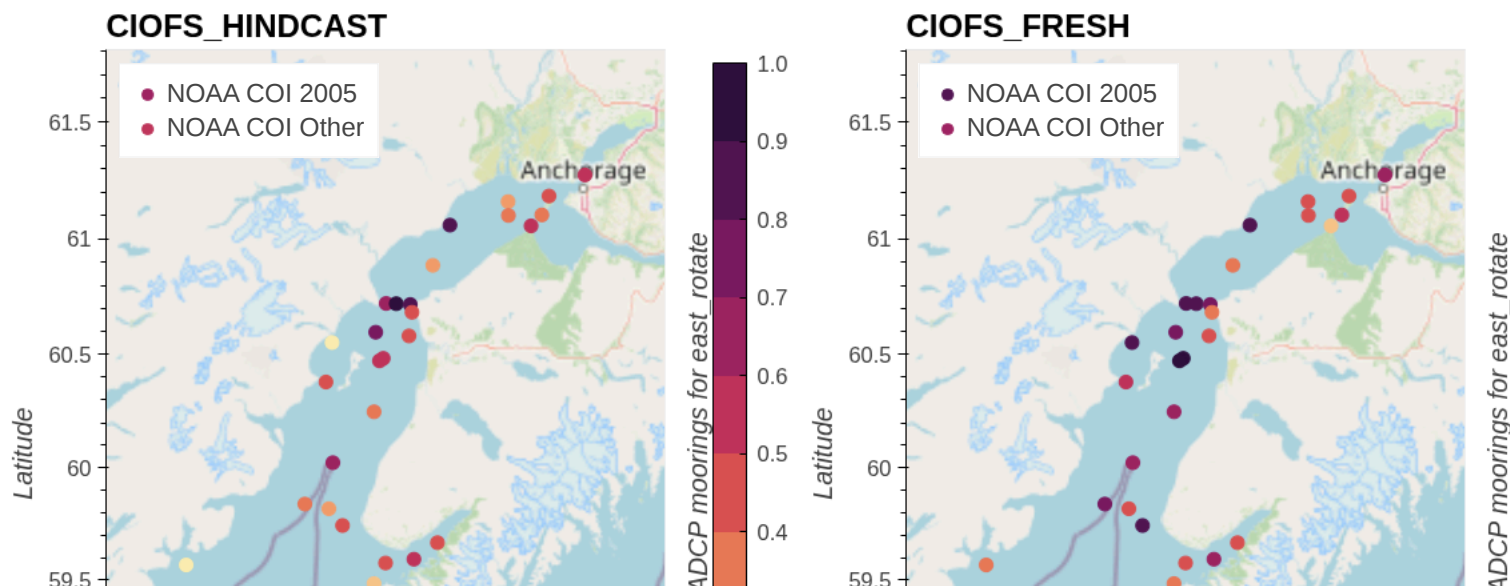


Fig. 16 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for subtidal horizontal speed, by project. (PNG screenshot, available for PDF and for saving image.)

Along-Channel Velocity



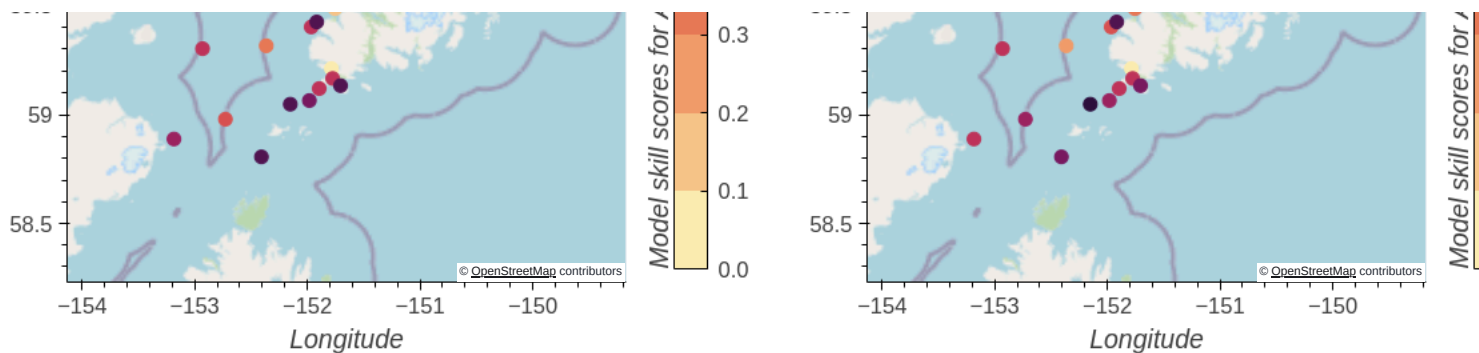


Fig. 17 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for subtidal along-channel velocity, by project. Click on a legend entry to toggle the transparency. (HTML plot, won't show up correctly in PDF.)

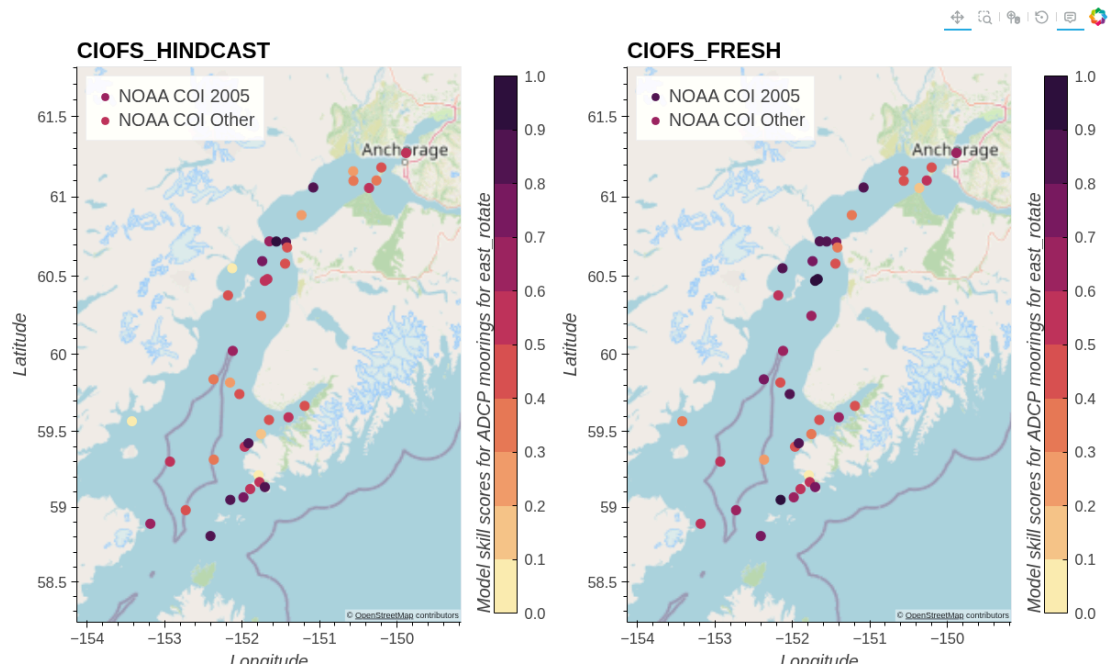
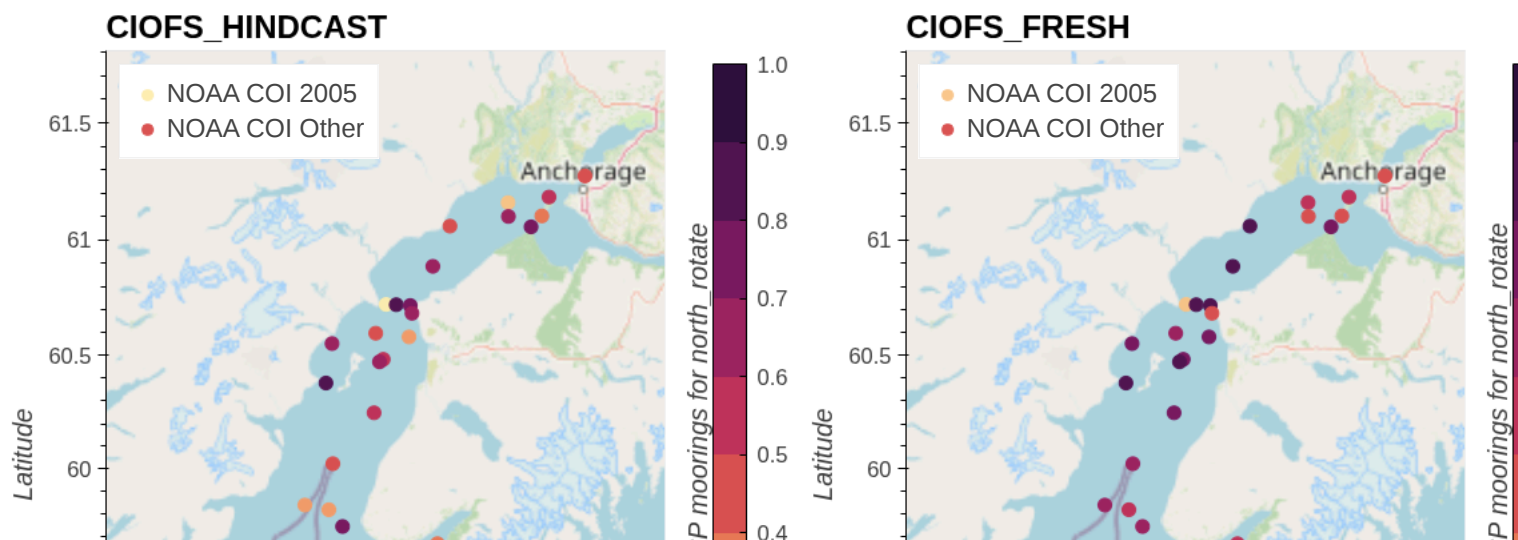


Fig. 18 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for subtidal along-channel velocity, by project. (PNG screenshot, available for PDF and for saving image.)

Across-Channel Velocity



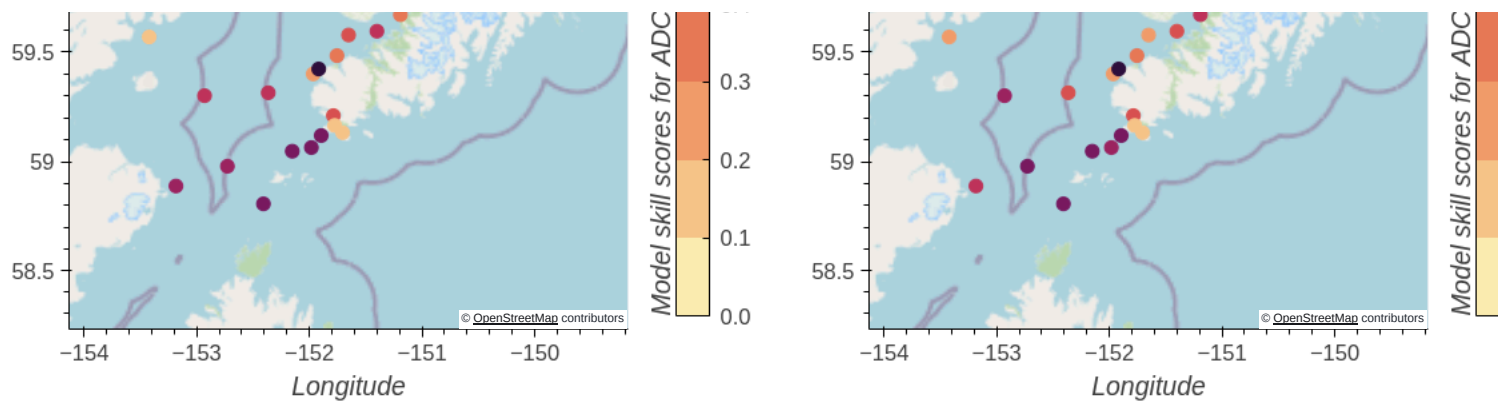


Fig. 19 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for subtidal across-channel velocity, by project. Click on a legend entry to toggle the transparency. (HTML plot, won't show up correctly in PDF.)

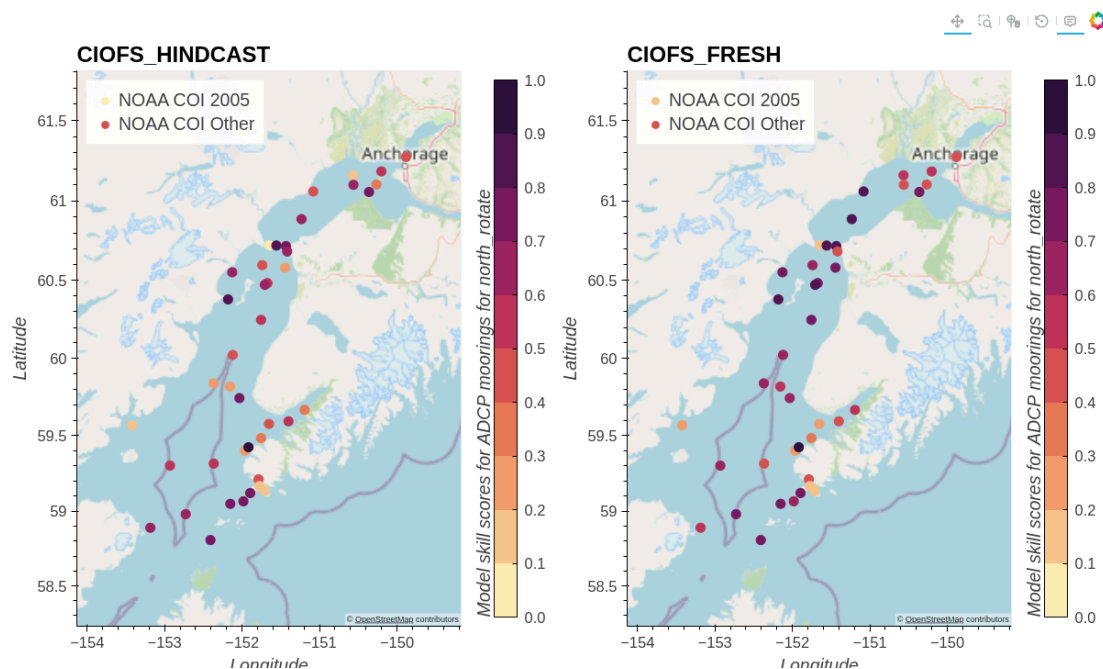


Fig. 20 Skill scores for CIOFS Hindcast (left) and CIOFS Freshwater (right) with ADCP moorings for subtidal across-channel velocity, by project. (PNG screenshot, available for PDF and for saving image.)

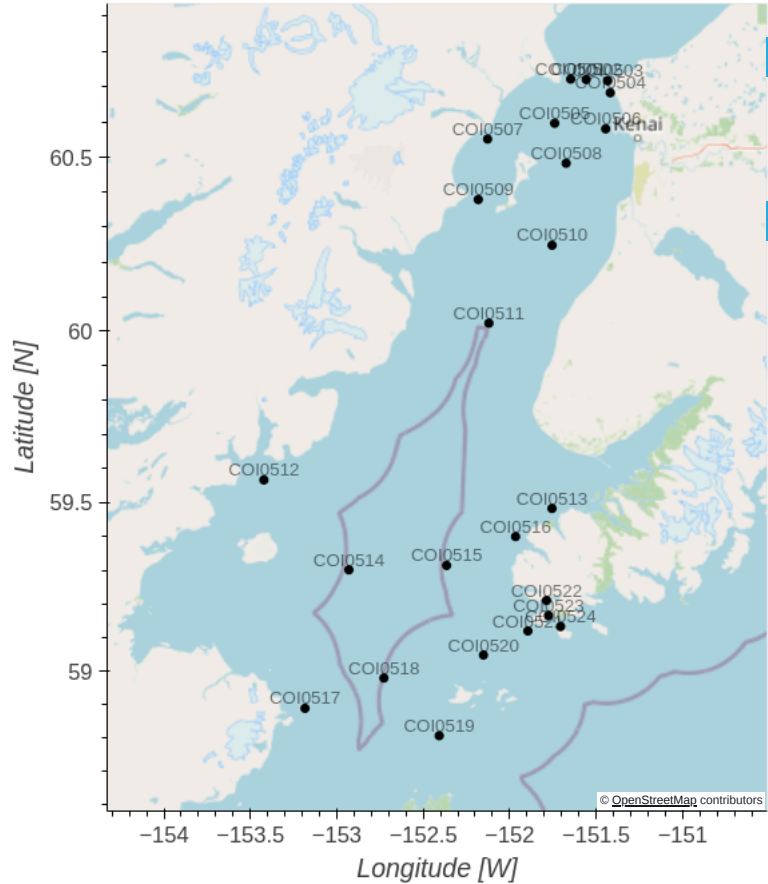
Moored ADCP (NOAA): ADCP survey Cook Inlet 2005

- `adcp_moored_noaa_coi_2005`

See the original full dataset description page in the [original report](#) for more information or the new [catalog page](#).

Note that the map shows all datasets from the catalog; it is not limited to the current report time periods.

adcp_moored_noaa_coi_2005

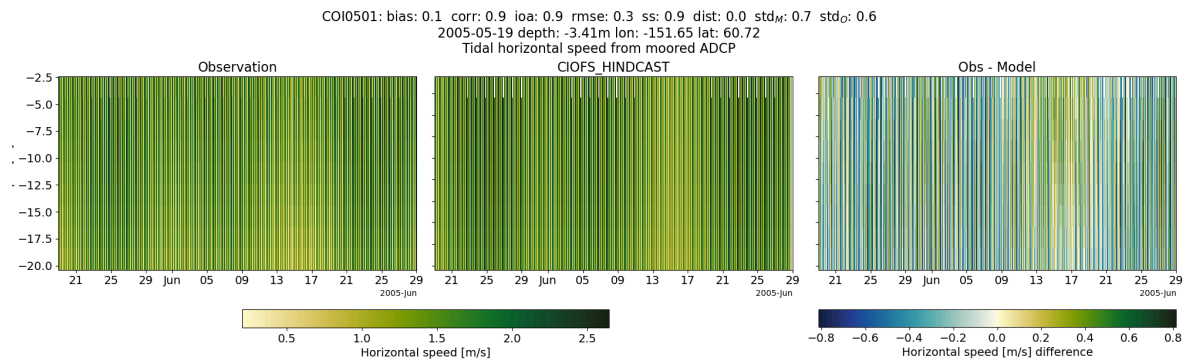


COI0501

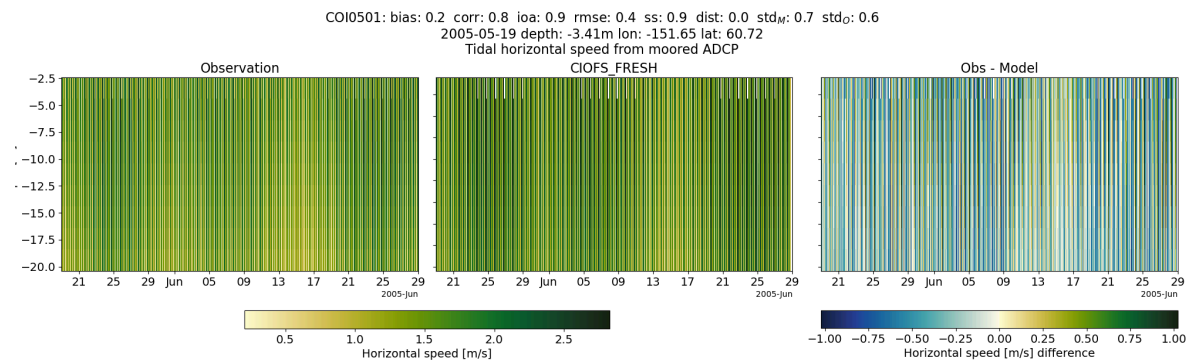
Tidal

Horizontal speed

CIOFS_HINDCAST

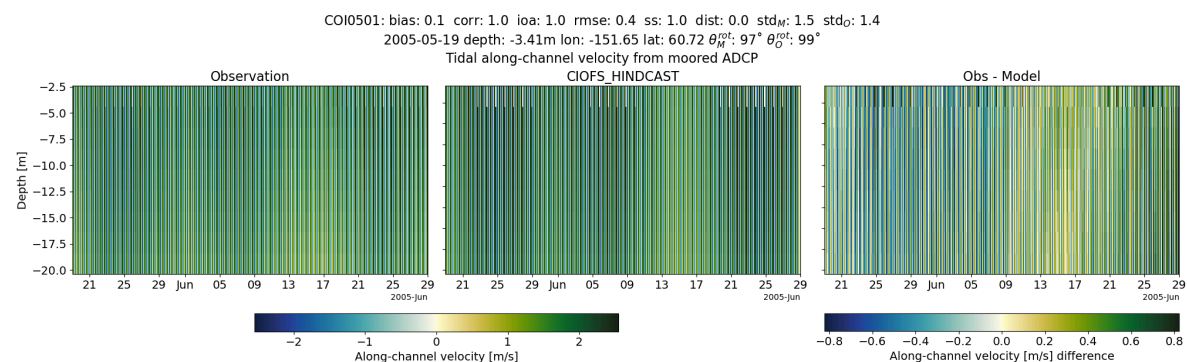


CIOFS_FRESH

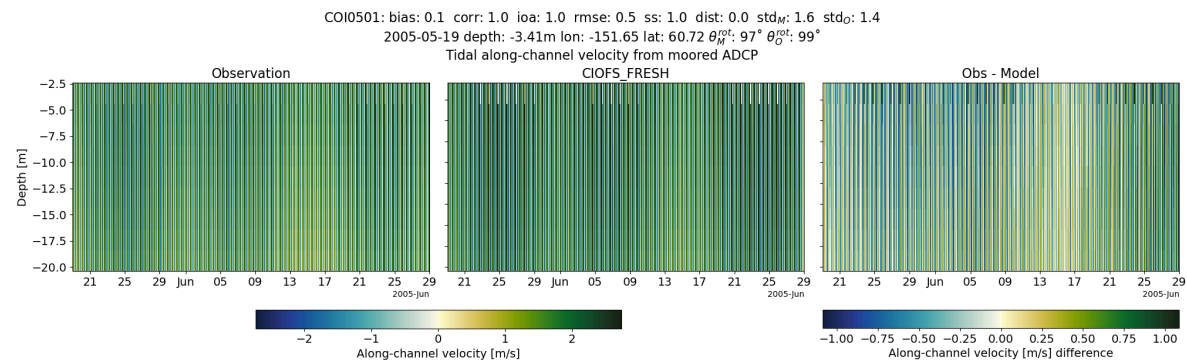


Along-channel velocity

CIOFS_HINDCAST

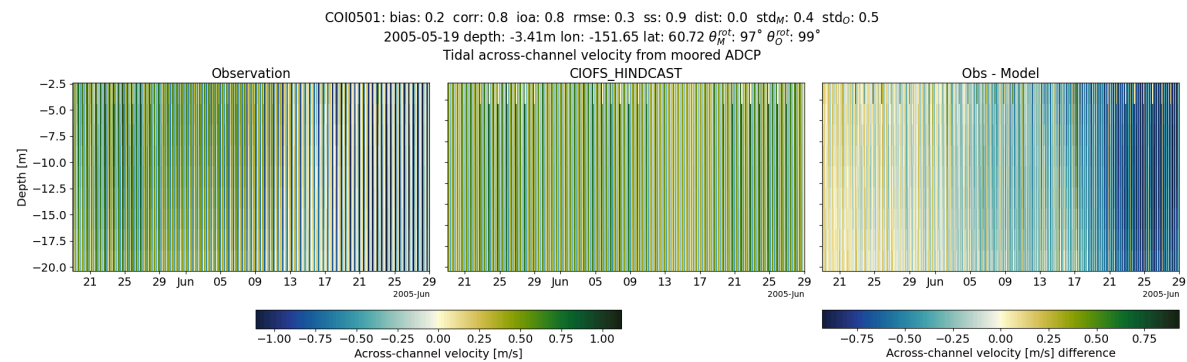


CIOFS_FRESH

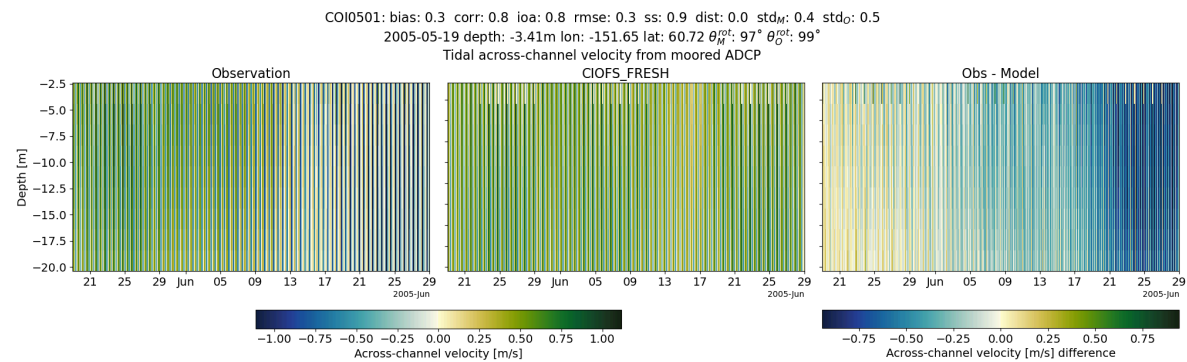


Across-channel velocity

CIOFS_HINDCAST



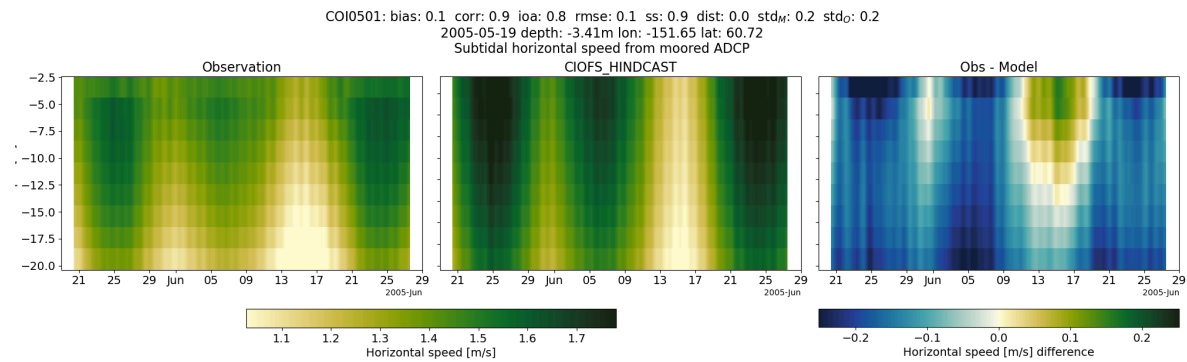
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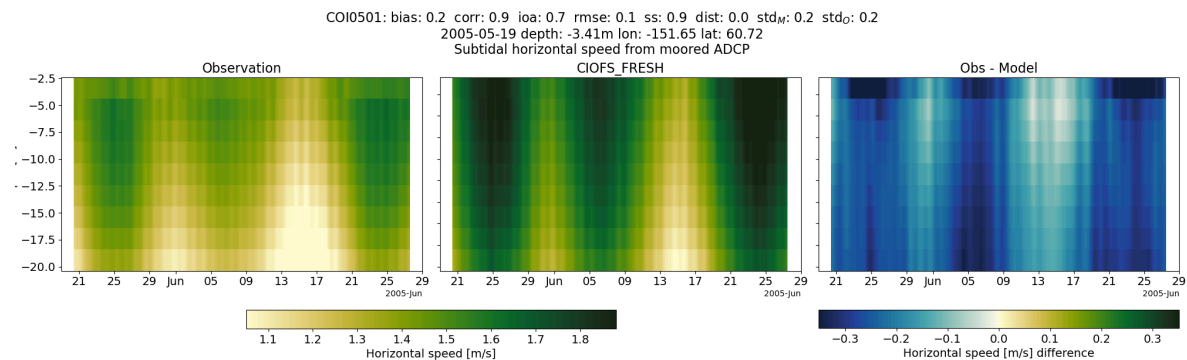
Subtidal

Horizontal speed

CIOFS_HINDCAST

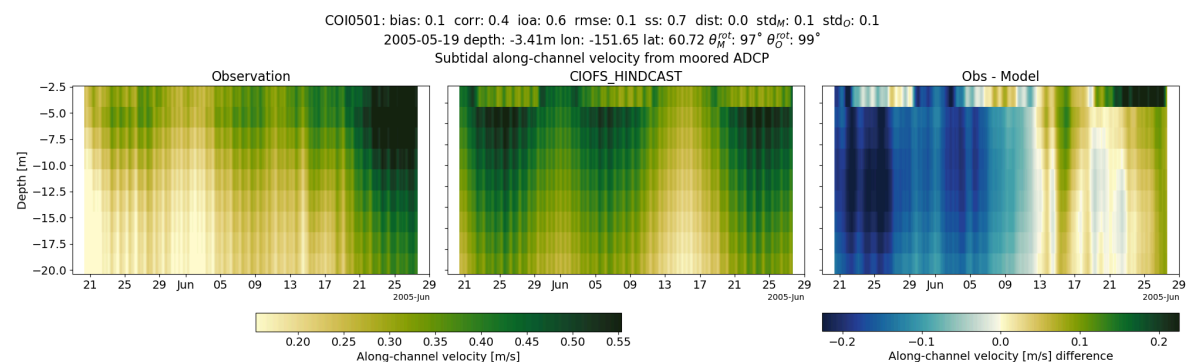


CIOFS_FRESH

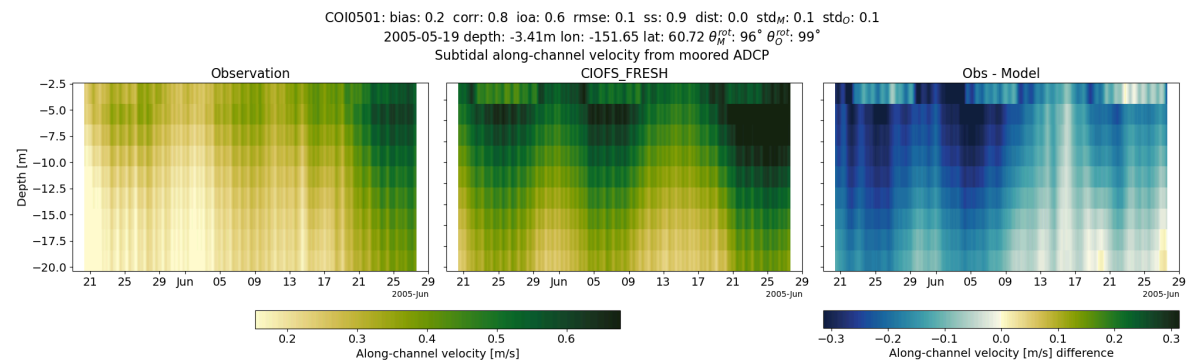


Along-channel velocity

CIOFS_HINDCAST



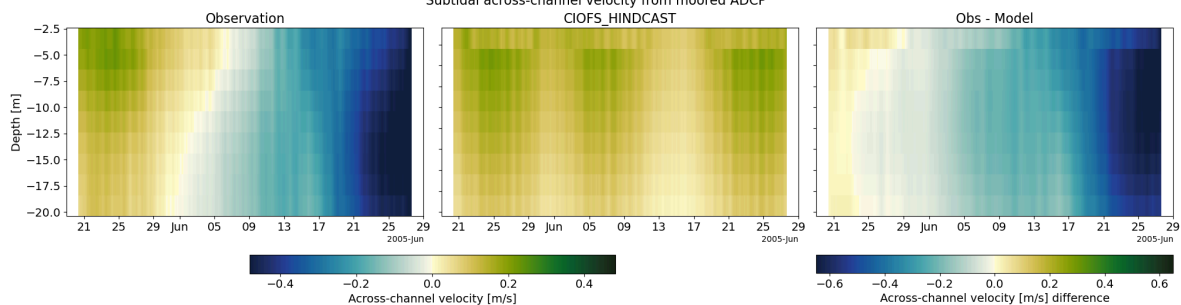
CIOFS_FRESH



Across-channel velocity

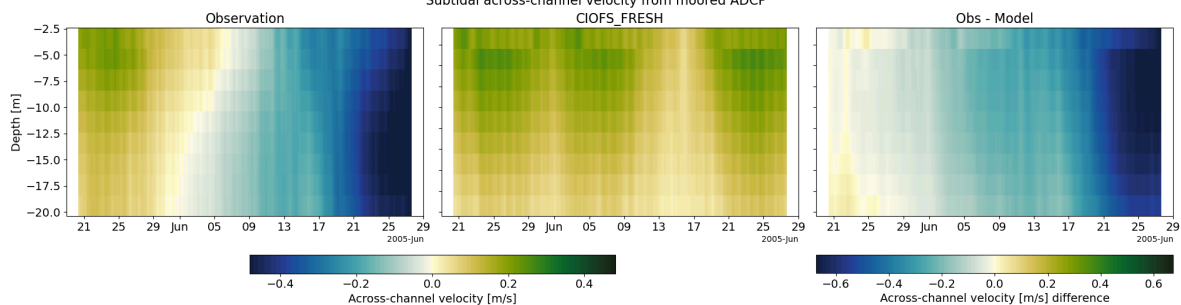
CIOFS_HINDCAST

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 2005-05-19 depth: -3.41m lon: -151.65 lat: 60.72 θ_M^{rot} : 97° θ_O^{rot} : 99°
 Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

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 Subtidal across-channel velocity from moored ADCP



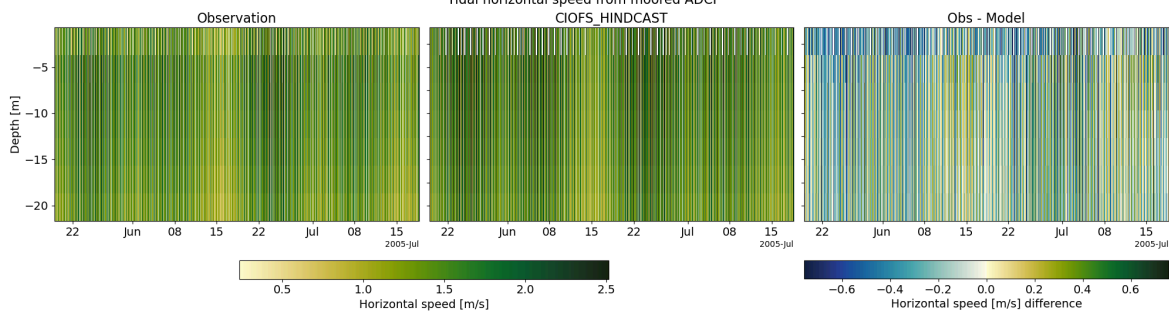
COI0502

Tidal

Horizontal speed

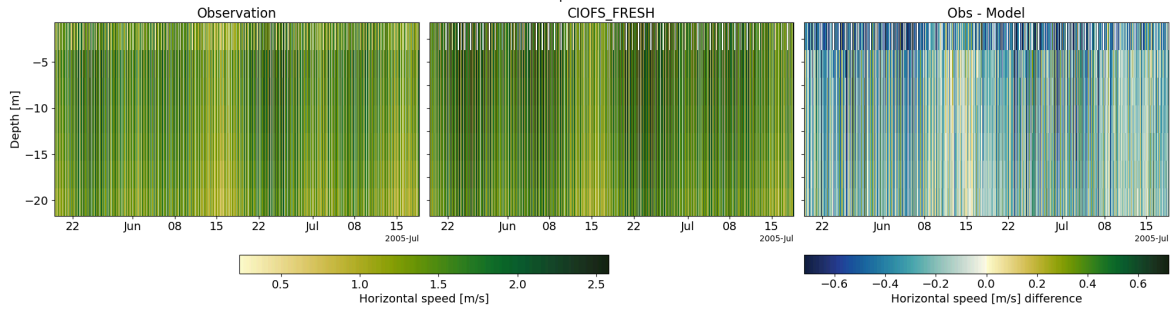
CIOFS_HINDCAST

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 Tidal horizontal speed from moored ADCP



CIOFS_FRESH

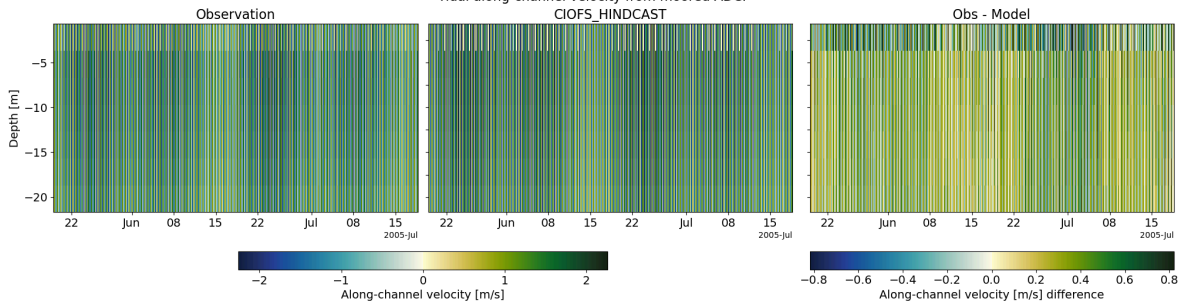
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 Tidal horizontal speed from moored ADCP



Along-channel velocity

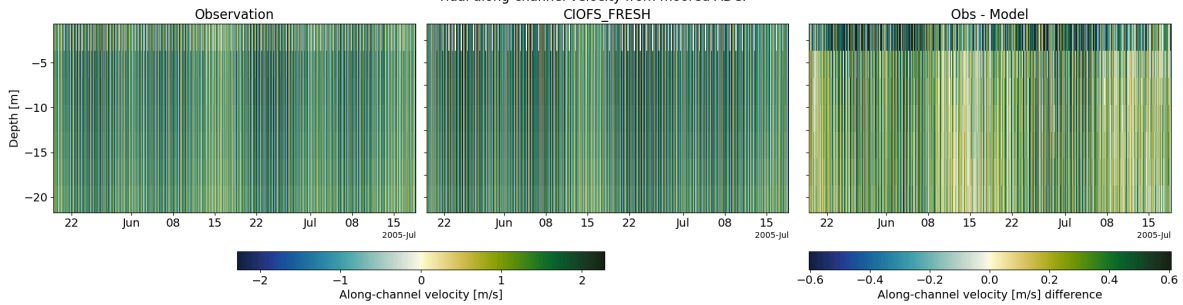
CIOFS_HINDCAST

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 Tidal along-channel velocity from moored ADCP



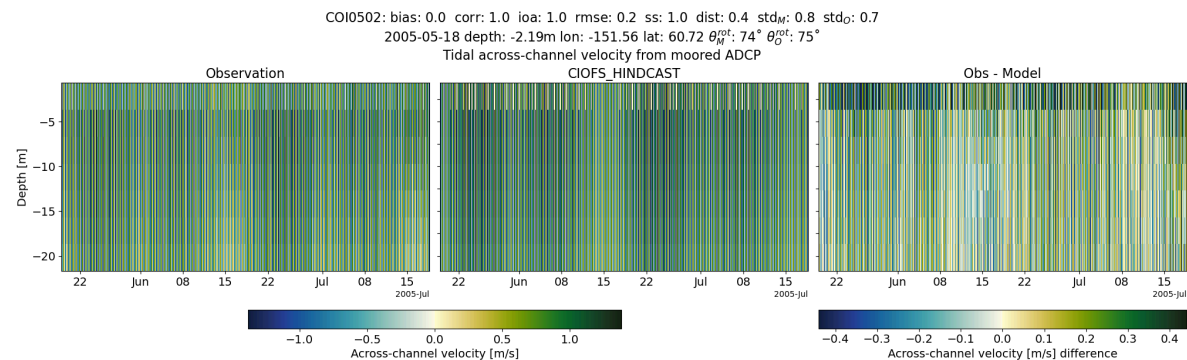
CIOFS_FRESH

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 2005-05-18 depth: -2.19m lon: -151.56 lat: 60.72 θ_M^{rot} : 74° θ_O^{rot} : 75°
 Tidal along-channel velocity from moored ADCP

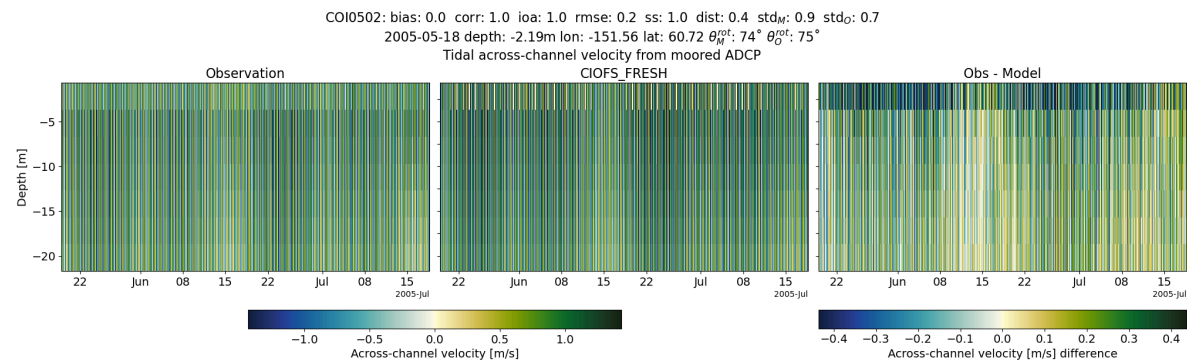


Across-channel velocity

CIOFS_HINDCAST



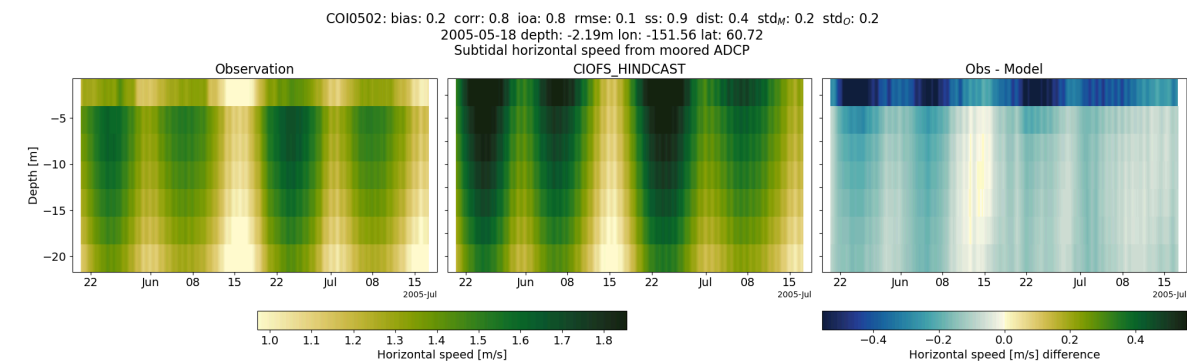
CIOFS_FRESH



Subtidal

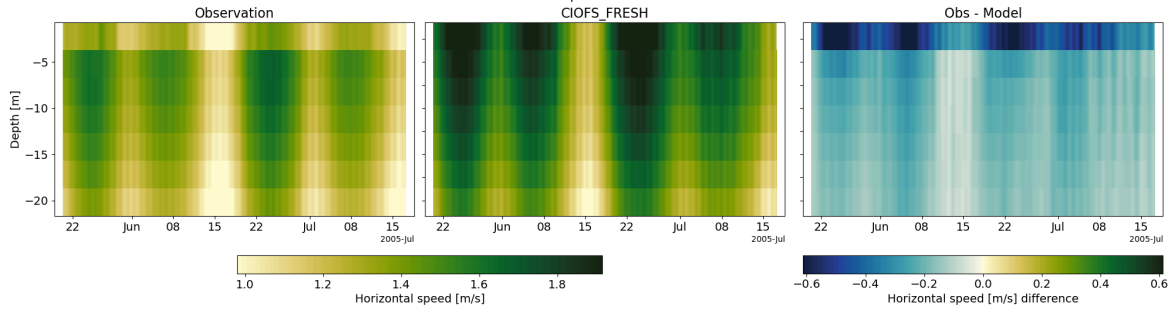
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

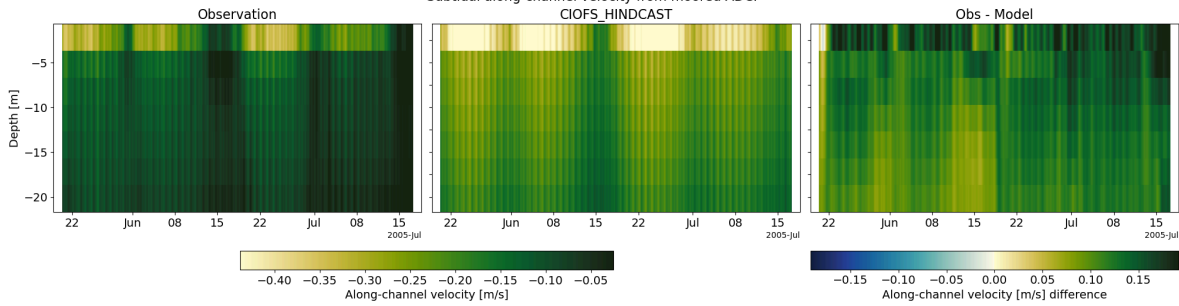
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 Subtidal horizontal speed from moored ADCP



Along-channel velocity

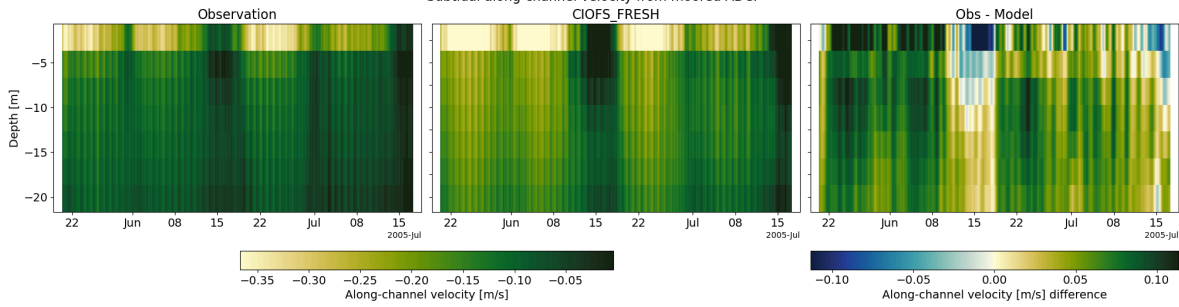
CIOFS_HINDCAST

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 Subtidal along-channel velocity from moored ADCP



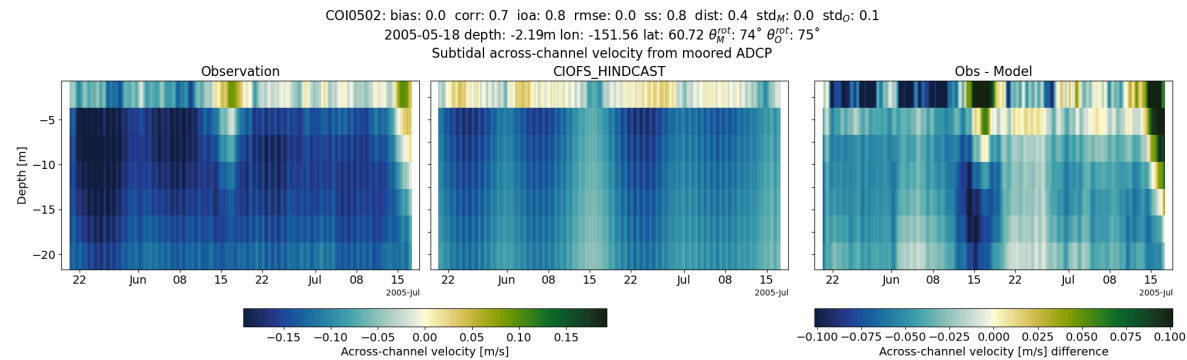
CIOFS_FRESH

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 Subtidal along-channel velocity from moored ADCP

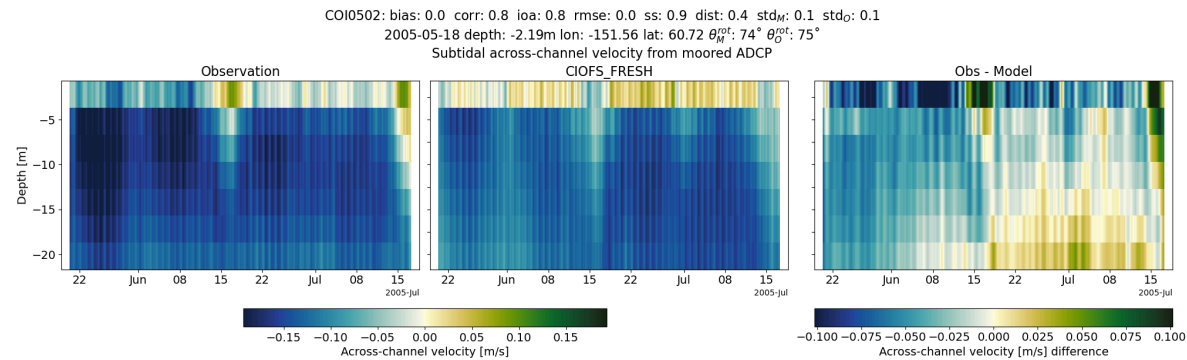


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

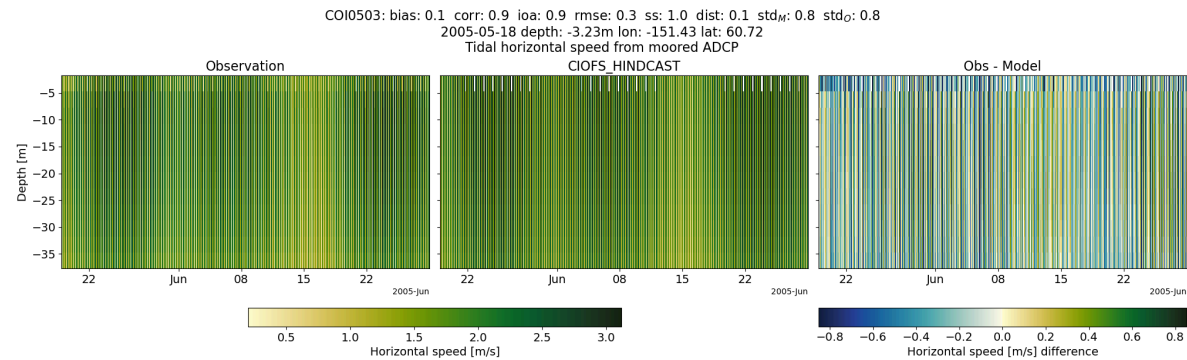


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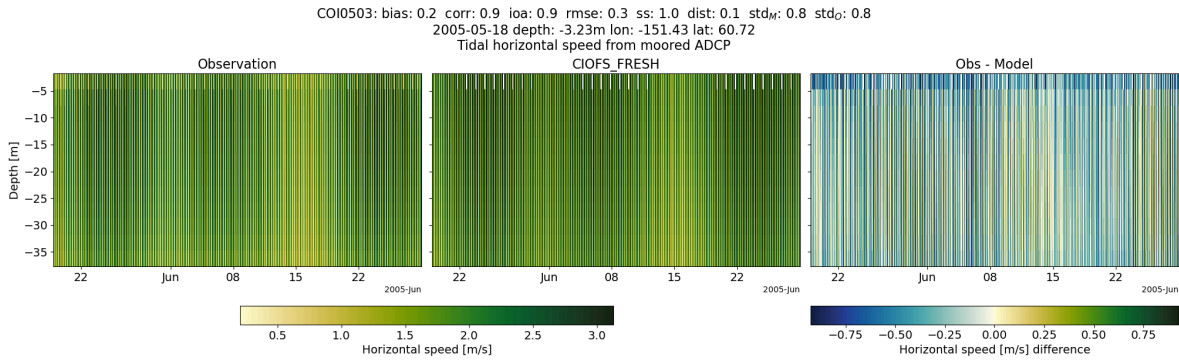
Tidal

Horizontal speed

CIOFS_HINDCAST

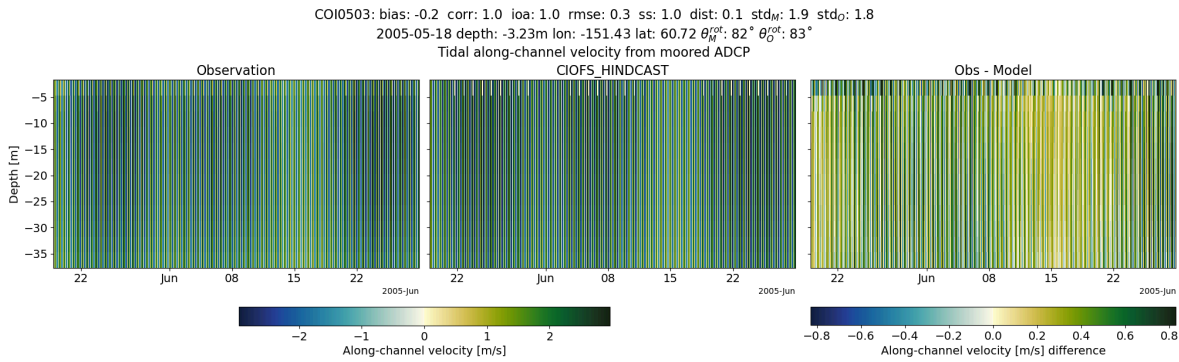


CIOFS_FRESH

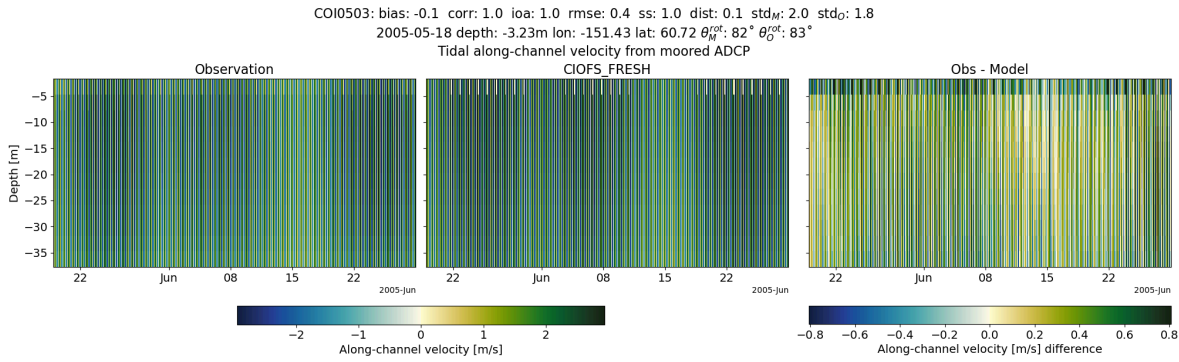


Along-channel velocity

CIOFS_HINDCAST

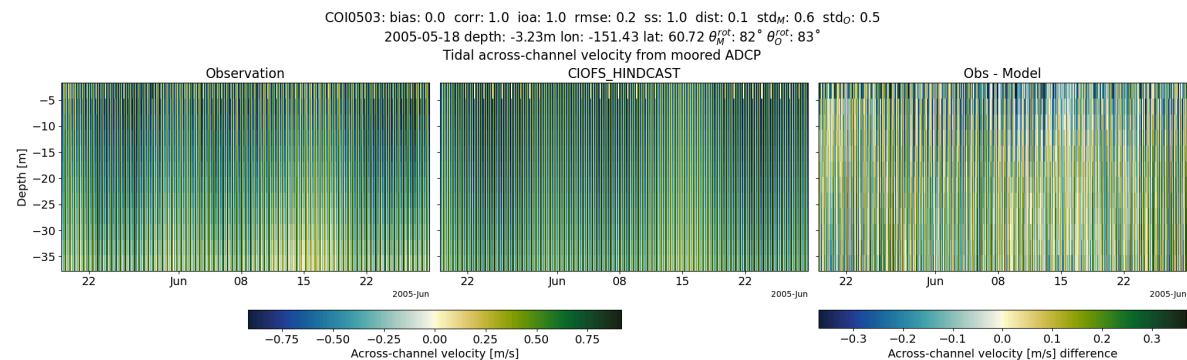


CIOFS_FRESH

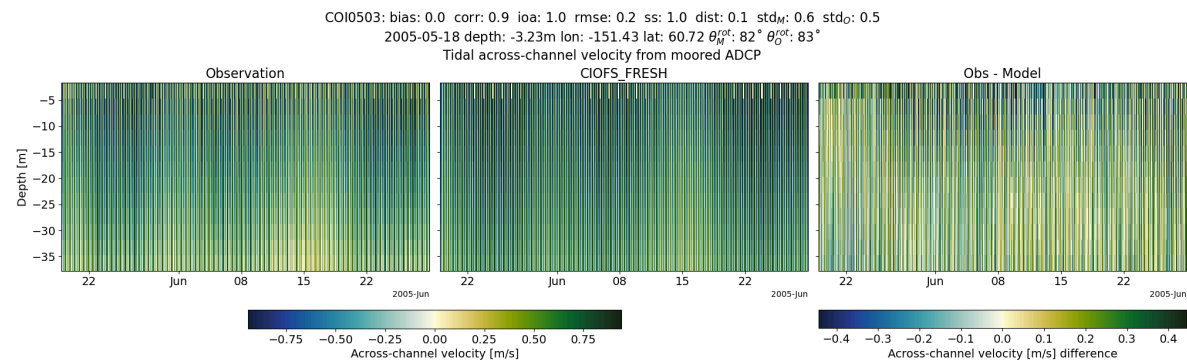


Across-channel velocity

CIOFS_HINDCAST



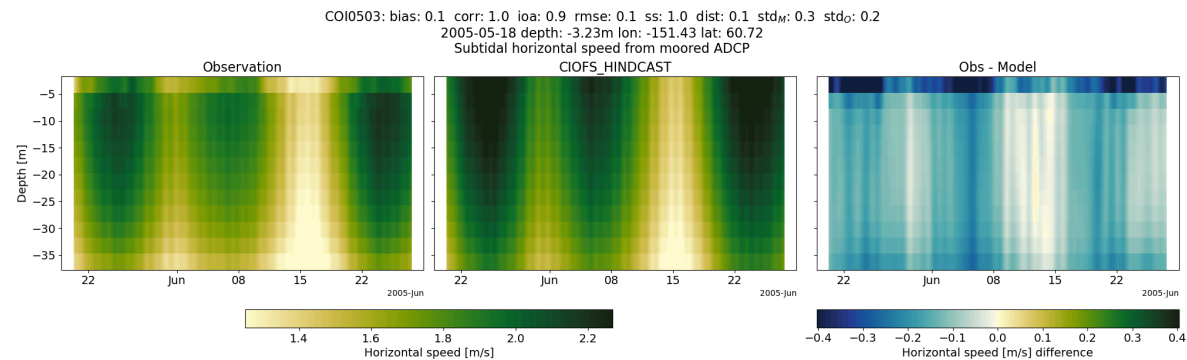
CIOFS_FRESH



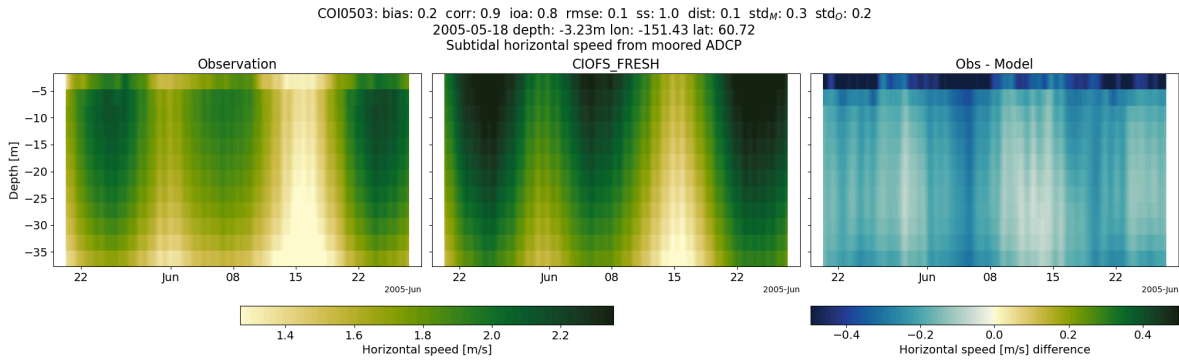
Subtidal

Horizontal speed

CIOFS_HINDCAST

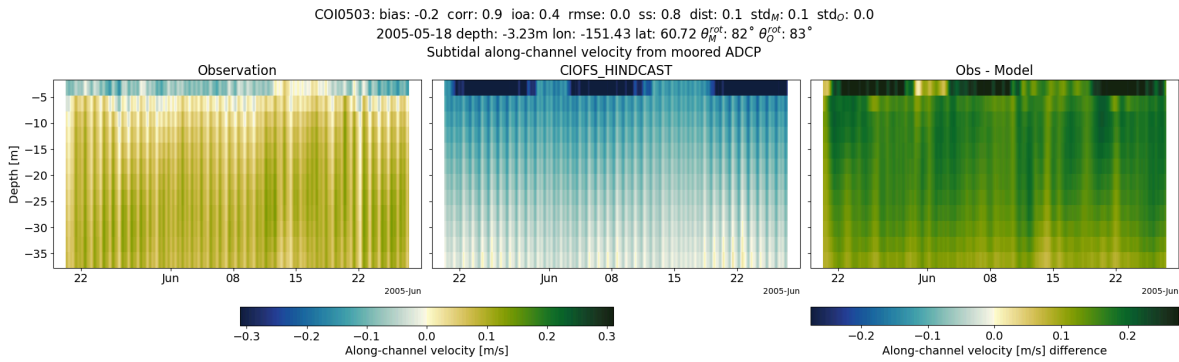


CIOFS_FRESH

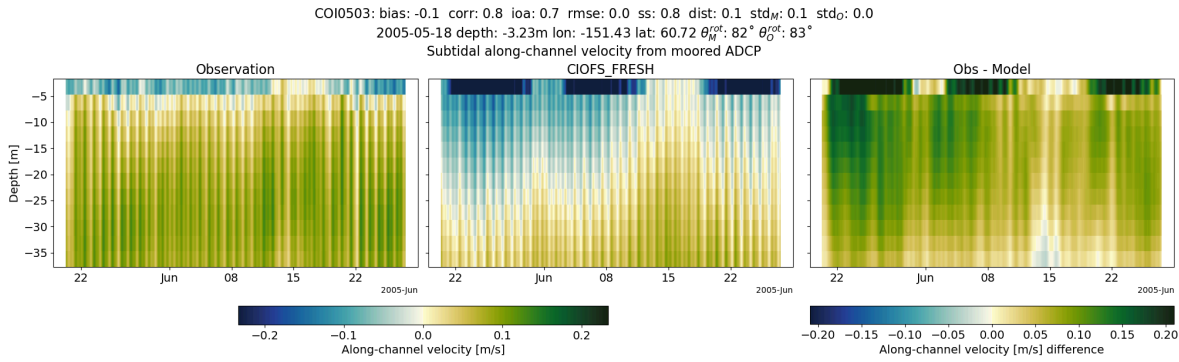


Along-channel velocity

CIOFS_HINDCAST

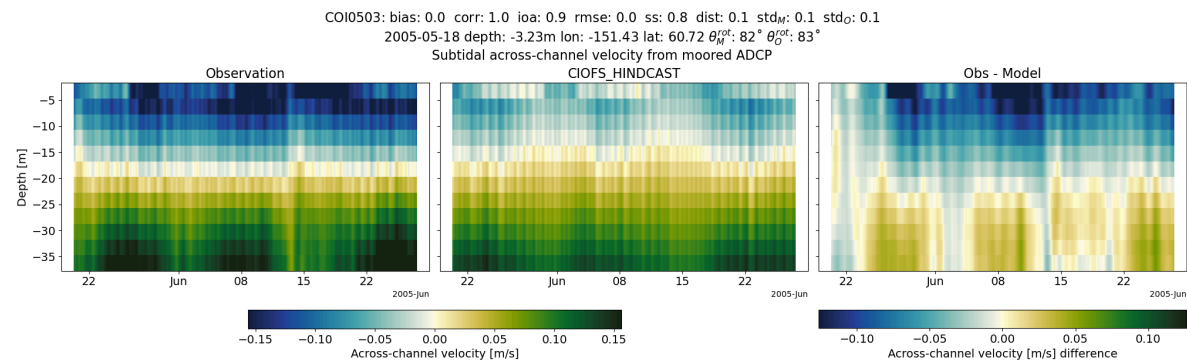


CIOFS_FRESH

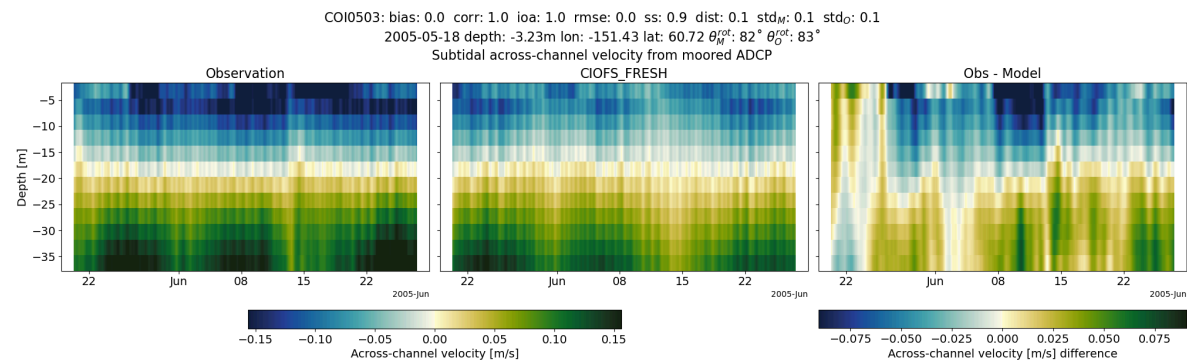


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

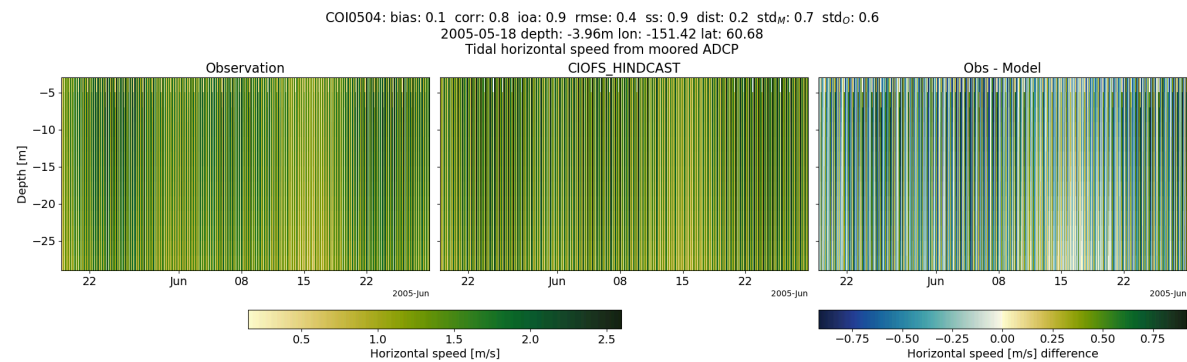


COI0504

Tidal

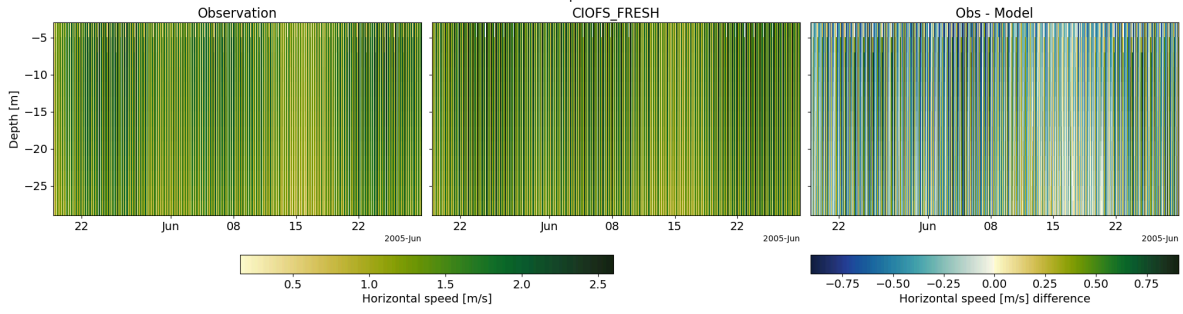
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

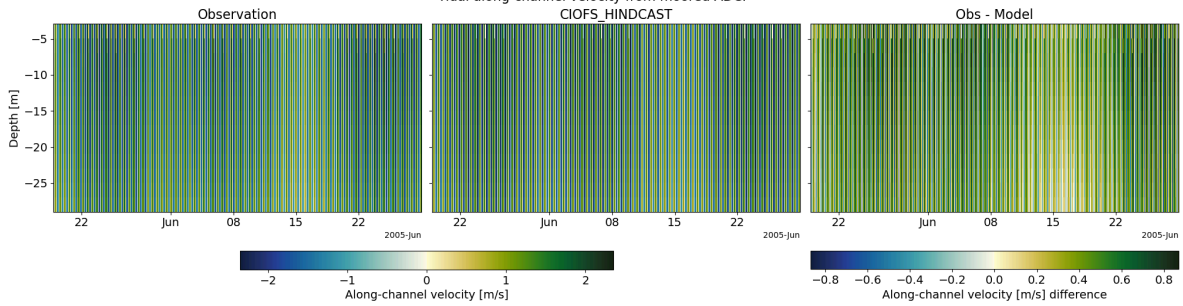
COI0504: bias: 0.1 corr: 0.8 ioa: 0.9 rmse: 0.4 ss: 0.9 dist: 0.2 std_M: 0.6 std_O: 0.6
2005-05-18 depth: -3.96m lon: -151.42 lat: 60.68
Tidal horizontal speed from moored ADCP



Along-channel velocity

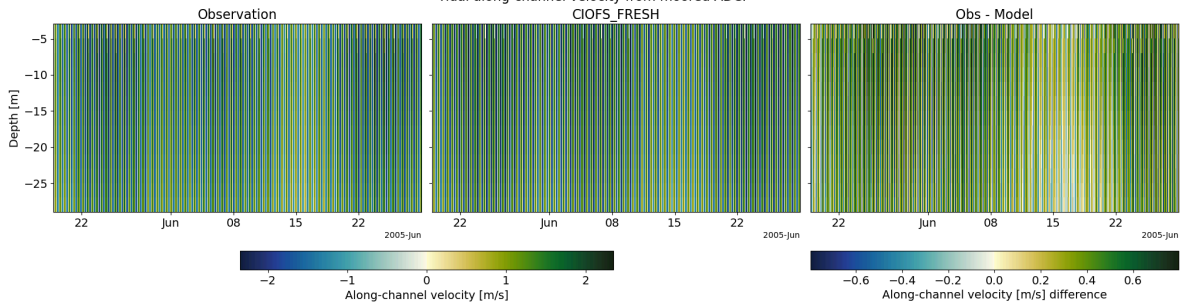
CIOFS_HINDCAST

COI0504: bias: -0.2 corr: 1.0 ioa: 1.0 rmse: 0.4 ss: 1.0 dist: 0.2 std_M: 1.4 std_O: 1.3
2005-05-18 depth: -3.96m lon: -151.42 lat: 60.68 $\theta_M^{90^\circ}$: 102° $\theta_O^{90^\circ}$: 102°
Tidal along-channel velocity from moored ADCP



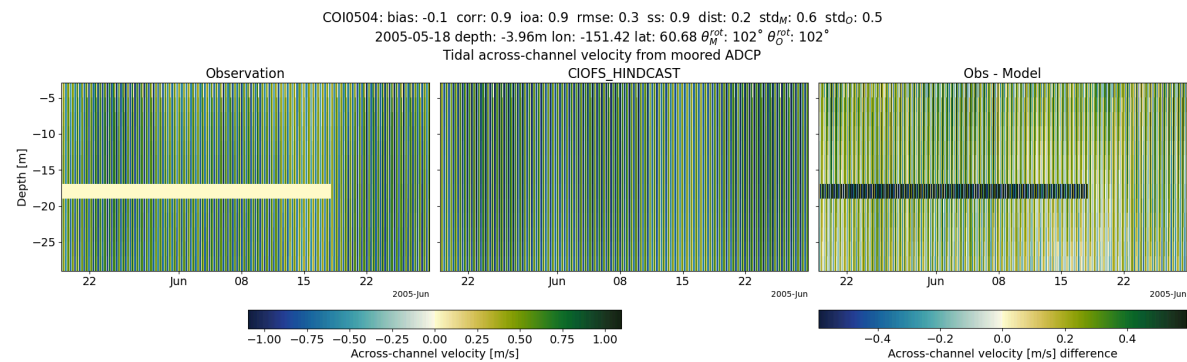
CIOFS_FRESH

COI0504: bias: -0.1 corr: 1.0 ioa: 1.0 rmse: 0.4 ss: 1.0 dist: 0.2 std_M: 1.4 std_O: 1.3
2005-05-18 depth: -3.96m lon: -151.42 lat: 60.68 $\theta_M^{90^\circ}$: 103° $\theta_O^{90^\circ}$: 102°
Tidal along-channel velocity from moored ADCP

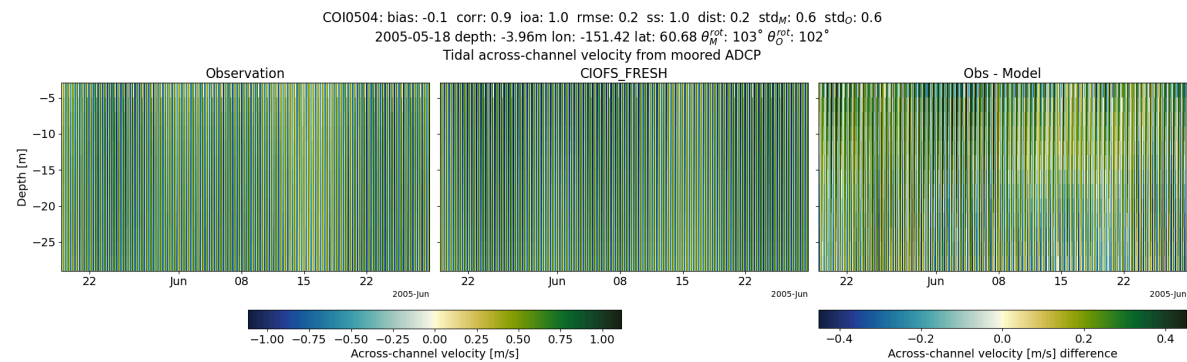


Across-channel velocity

CIOFS_HINDCAST



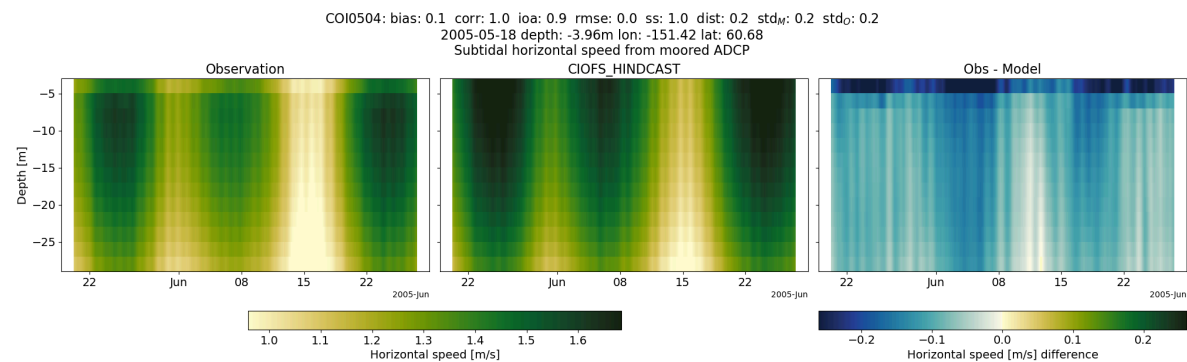
CIOFS_FRESH



Subtidal

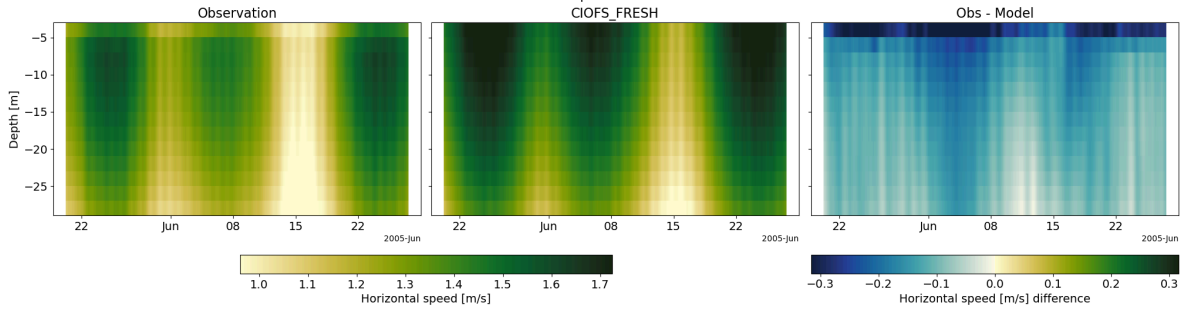
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

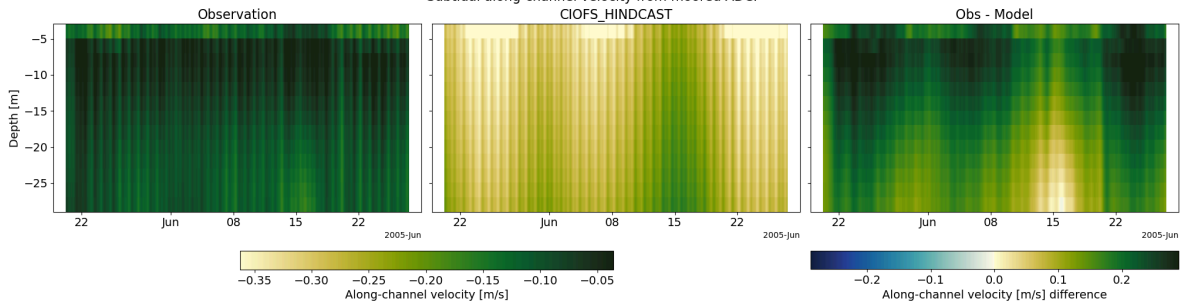
COI0504: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.2 std_O: 0.2
 2005-05-18 depth: -3.96m lon: -151.42 lat: 60.68
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

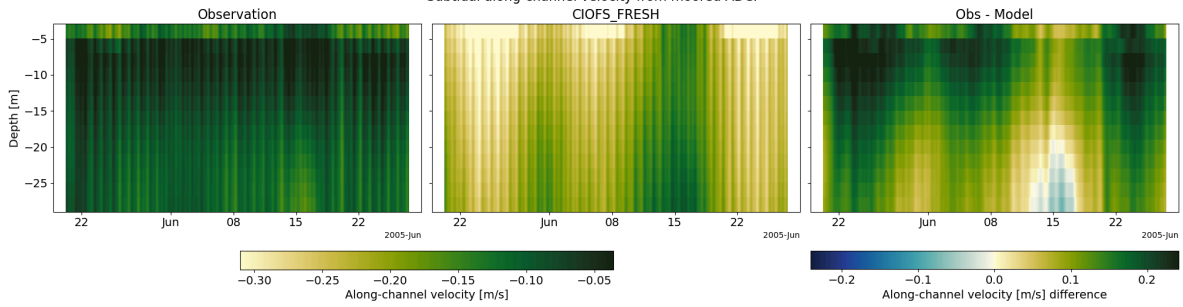
CIOFS_HINDCAST

COI0504: bias: -0.2 corr: 0.0 ioa: 0.2 rmse: 0.1 ss: 0.4 dist: 0.2 std_M: 0.0 std_O: 0.0
 2005-05-18 depth: -3.96m lon: -151.42 lat: 60.68 θ_M^{st} : 102° θ_O^{st} : 101°
 Subtidal along-channel velocity from moored ADCP



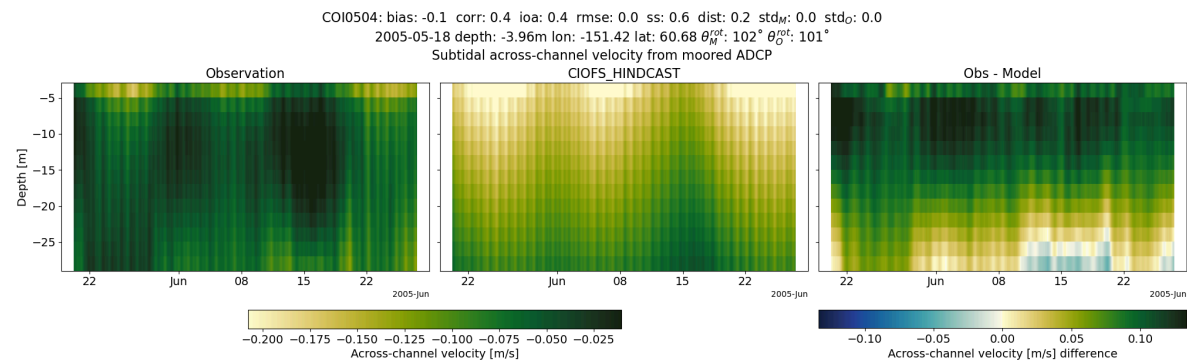
CIOFS_FRESH

COI0504: bias: -0.1 corr: 0.0 ioa: 0.3 rmse: 0.1 ss: 0.4 dist: 0.2 std_M: 0.1 std_O: 0.0
 2005-05-18 depth: -3.96m lon: -151.42 lat: 60.68 θ_M^{st} : 102° θ_O^{st} : 101°
 Subtidal along-channel velocity from moored ADCP

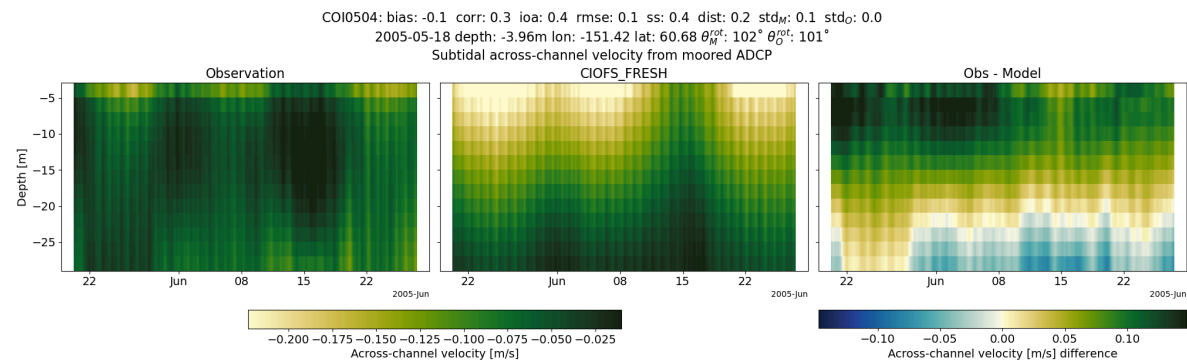


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

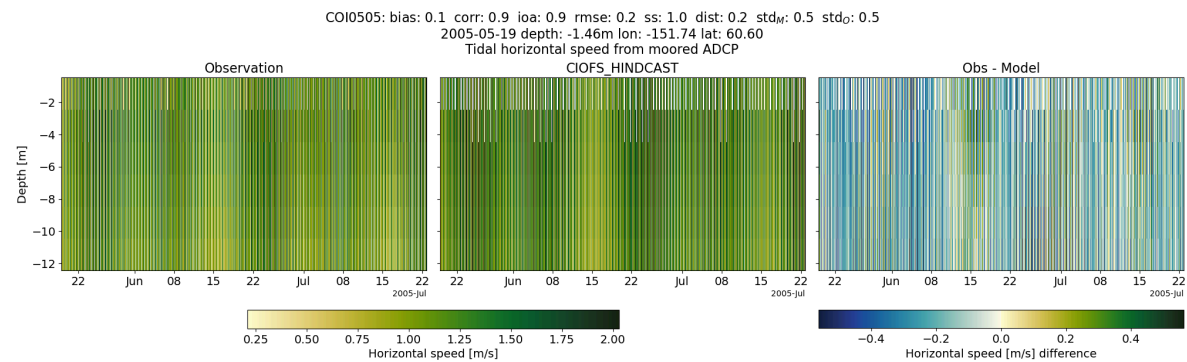


COI0505

Tidal

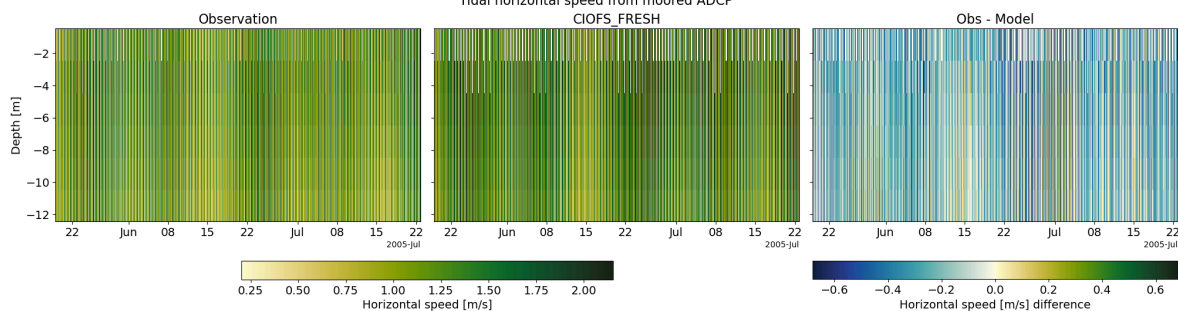
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

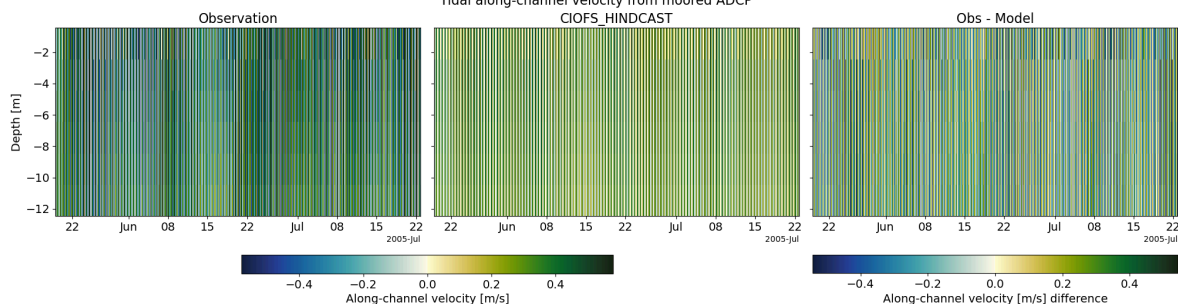
COI0505: bias: 0.2 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 1.0 dist: 0.2 std_M: 0.5 std_O: 0.5
 2005-05-19 depth: -1.46m lon: -151.74 lat: 60.60
 Tidal horizontal speed from moored ADCP



Along-channel velocity

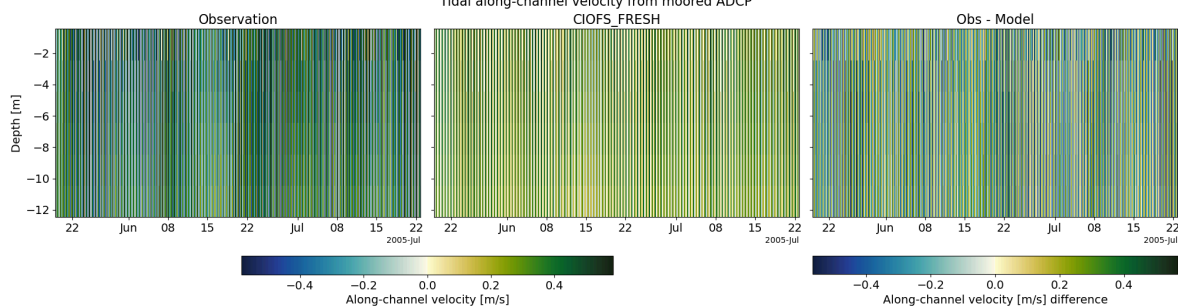
CIOFS_HINDCAST

COI0505: bias: 0.1 corr: 0.7 ioa: 0.8 rmse: 0.3 ss: 0.6 dist: 0.2 std_M: 0.2 std_O: 0.4
 2005-05-19 depth: -1.46m lon: -151.74 lat: 60.60 $\theta_M^{O^t}$: 44° $\theta_O^{O^t}$: 37°
 Tidal along-channel velocity from moored ADCP



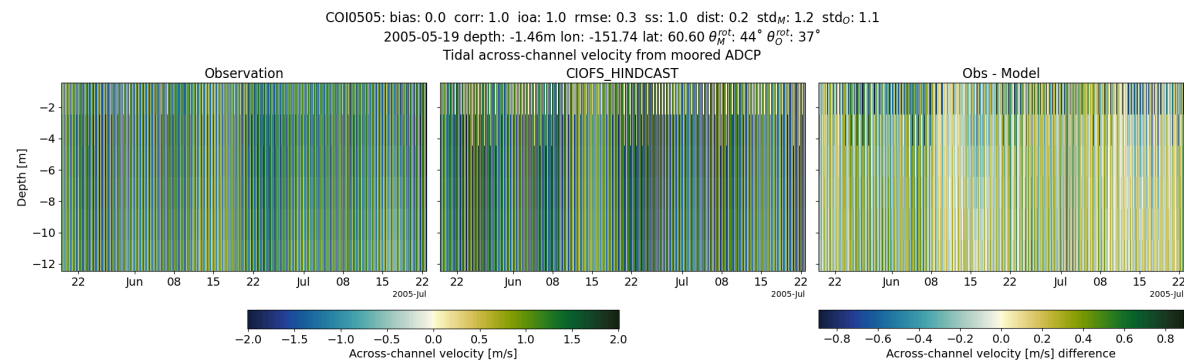
CIOFS_FRESH

COI0505: bias: 0.1 corr: 0.7 ioa: 0.7 rmse: 0.3 ss: 0.6 dist: 0.2 std_M: 0.2 std_O: 0.4
 2005-05-19 depth: -1.46m lon: -151.74 lat: 60.60 $\theta_M^{O^t}$: 44° $\theta_O^{O^t}$: 37°
 Tidal along-channel velocity from moored ADCP

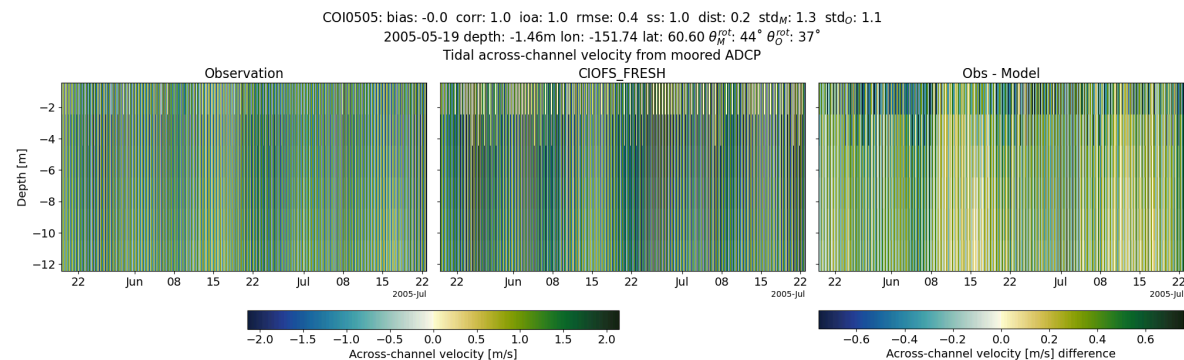


Across-channel velocity

CIOFS_HINDCAST



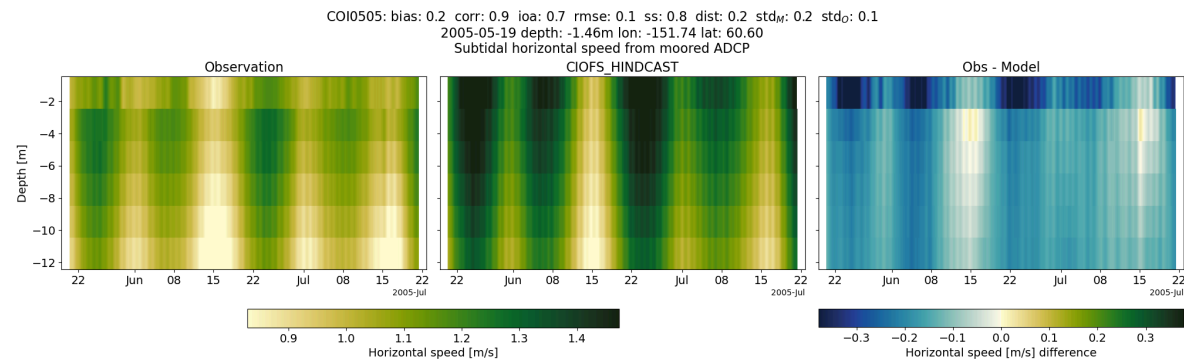
CIOFS_FRESH



Subtidal

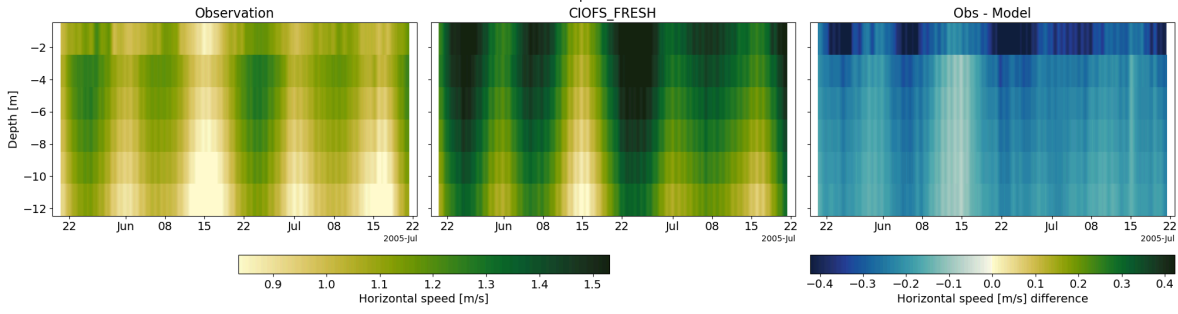
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

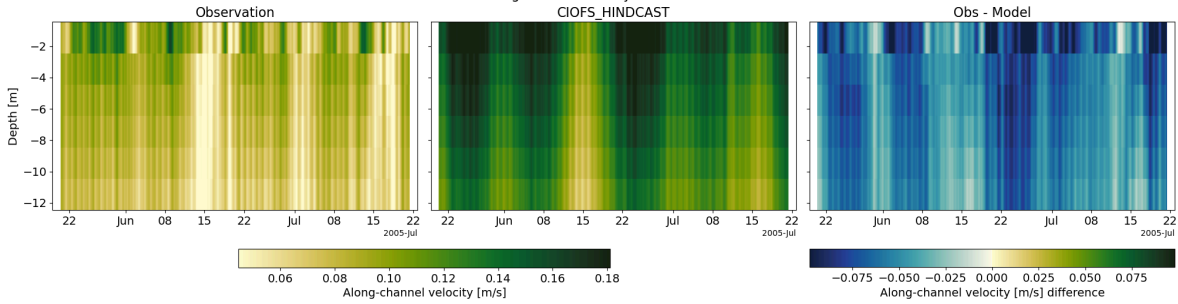
COI0505: bias: 0.2 corr: 0.9 ioa: 0.6 rmse: 0.1 ss: 0.9 dist: 0.2 std_M: 0.2 std_O: 0.1
 2005-05-19 depth: -1.46m lon: -151.74 lat: 60.60
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

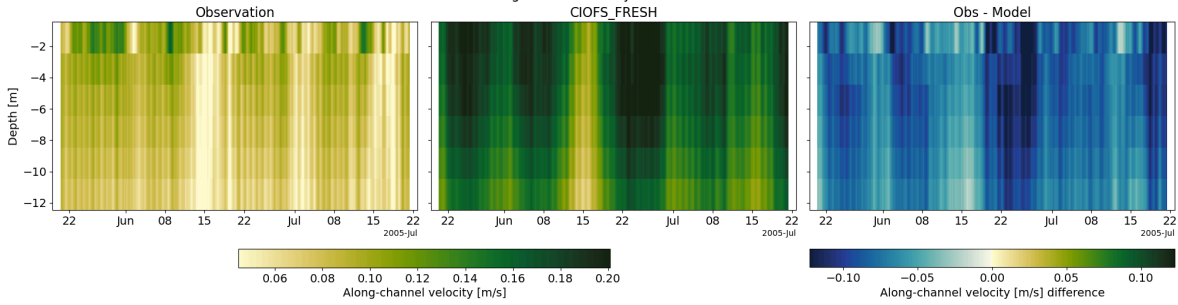
CIOFS_HINDCAST

COI0505: bias: 0.1 corr: 0.7 ioa: 0.4 rmse: 0.0 ss: 0.8 dist: 0.2 std_M: 0.0 std_O: 0.0
 2005-05-19 depth: -1.46m lon: -151.74 lat: 60.60 θ_M^{rot} : 45° θ_O^{rot} : 37°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

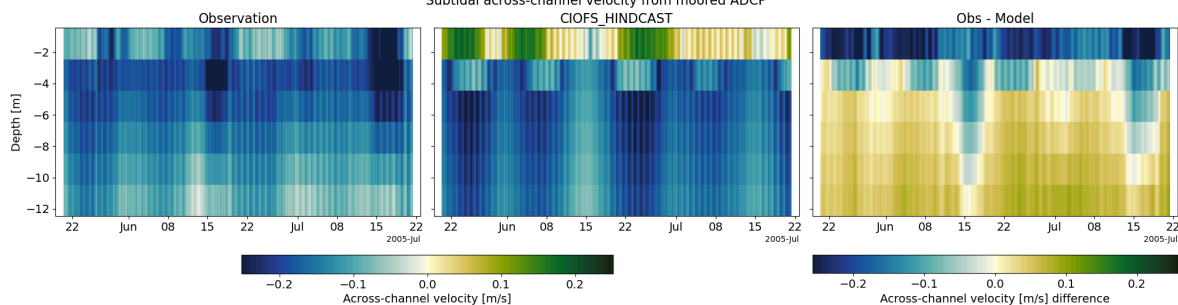
COI0505: bias: 0.1 corr: 0.7 ioa: 0.3 rmse: 0.0 ss: 0.7 dist: 0.2 std_M: 0.0 std_O: 0.0
 2005-05-19 depth: -1.46m lon: -151.74 lat: 60.60 θ_M^{rot} : 45° θ_O^{rot} : 37°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

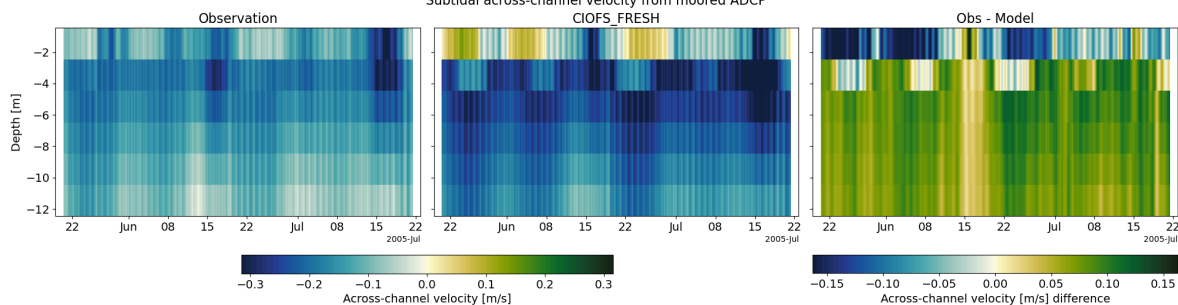
CIOFS_HINDCAST

COI0505: bias: 0.0 corr: 0.3 ioa: 0.5 rmse: 0.1 ss: 0.4 dist: 0.2 std_M: 0.1 std_O: 0.1
 2005-05-19 depth: -1.46m lon: -151.74 lat: 60.60 θ_M^{gt} : 45° θ_O^{gt} : 37°
 Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0505: bias: -0.0 corr: 0.7 ioa: 0.7 rmse: 0.1 ss: 0.6 dist: 0.2 std_M: 0.1 std_O: 0.1
 2005-05-19 depth: -1.46m lon: -151.74 lat: 60.60 θ_M^{gt} : 45° θ_O^{gt} : 37°
 Subtidal across-channel velocity from moored ADCP



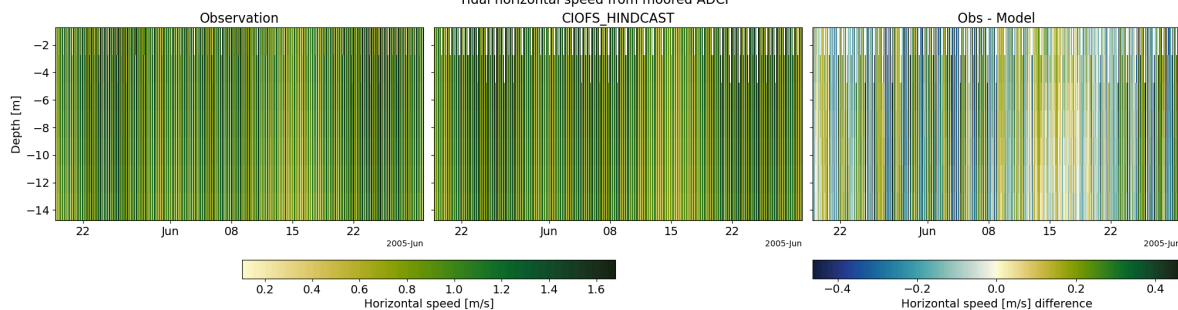
COI0506

Tidal

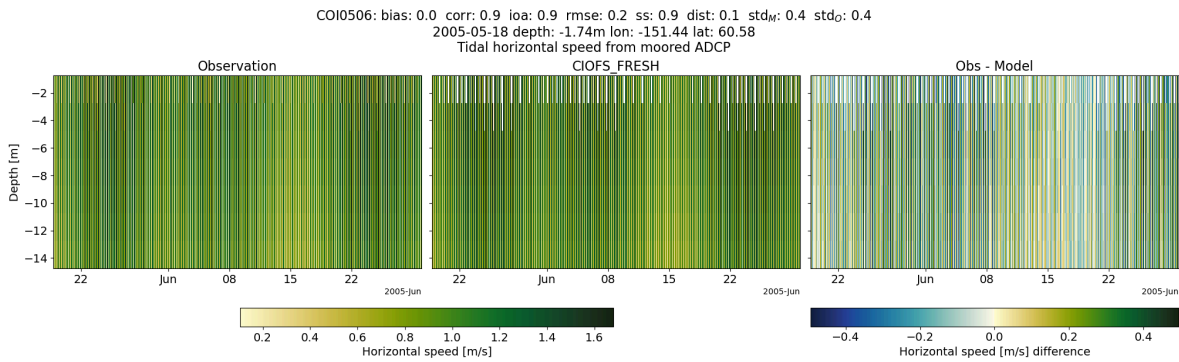
Horizontal speed

CIOFS_HINDCAST

COI0506: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.1 std_M: 0.4 std_O: 0.4
 2005-05-18 depth: -1.74m lon: -151.44 lat: 60.58
 Tidal horizontal speed from moored ADCP

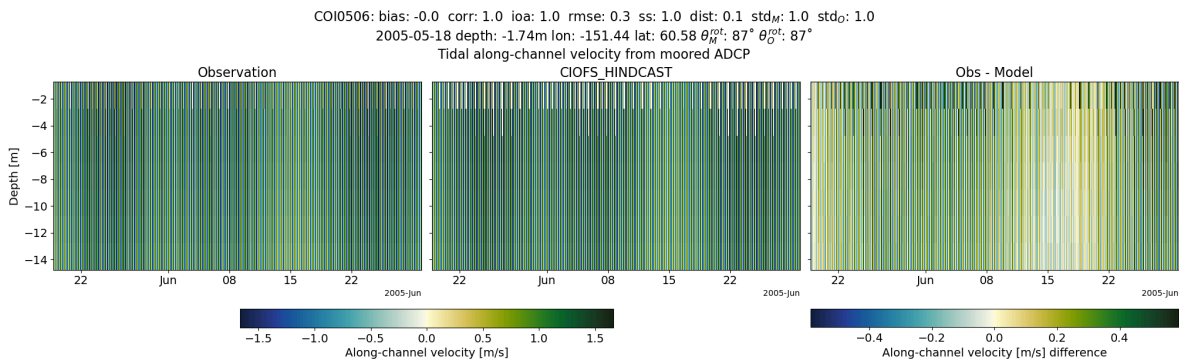


CIOFS_FRESH

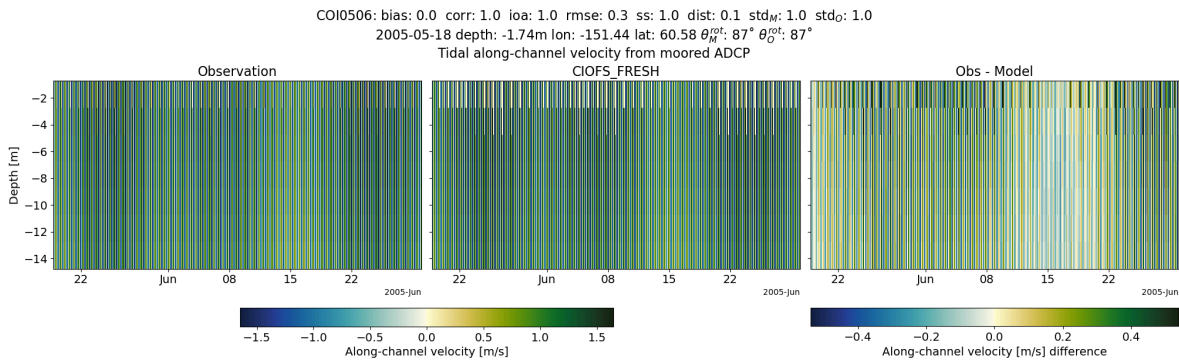


Along-channel velocity

CIOFS_HINDCAST

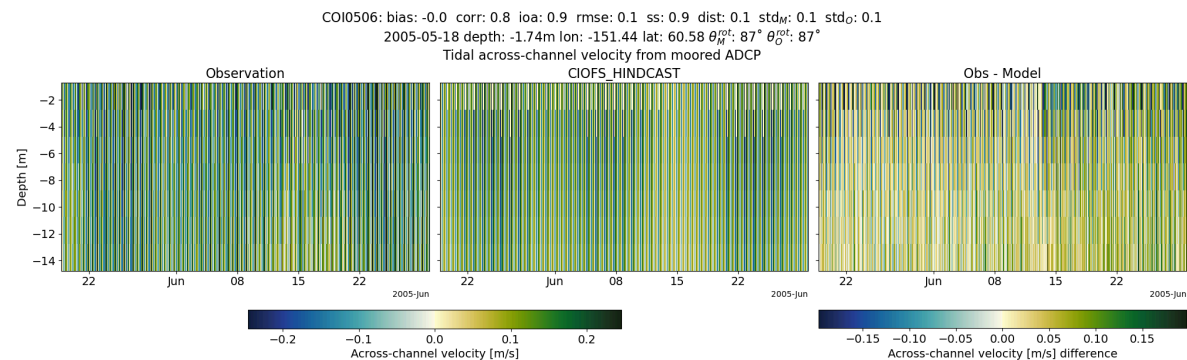


CIOFS_FRESH

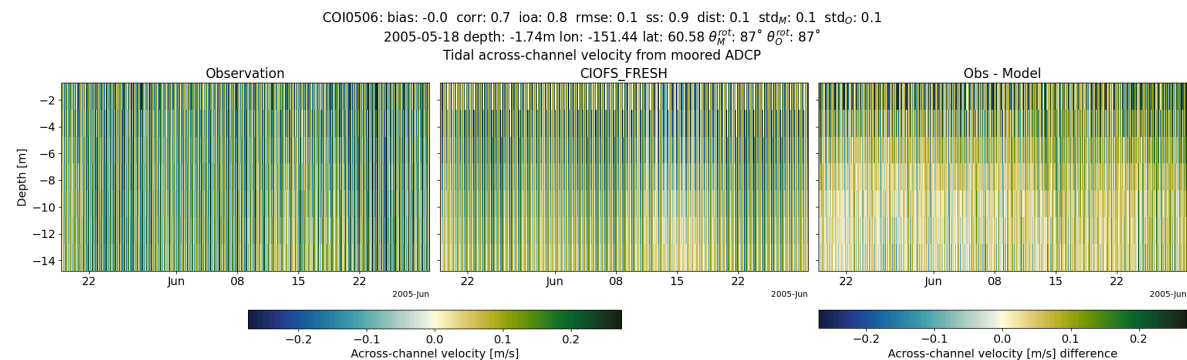


Across-channel velocity

CIOFS_HINDCAST



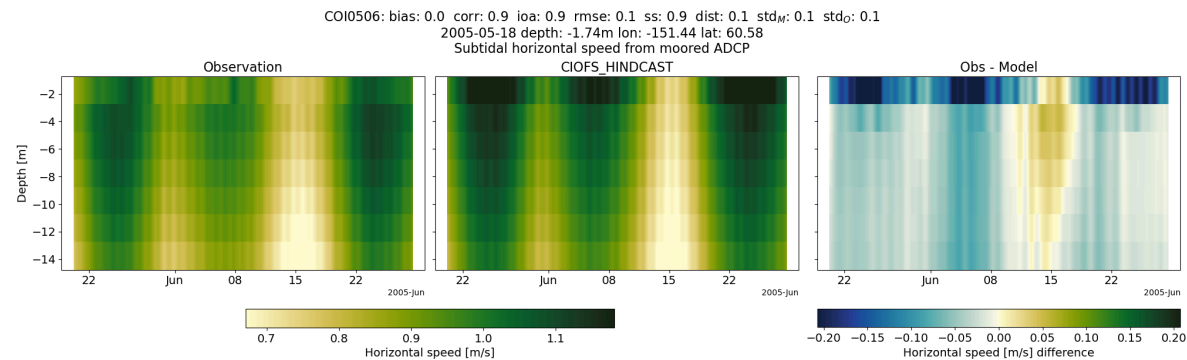
CIOFS_FRESH



Subtidal

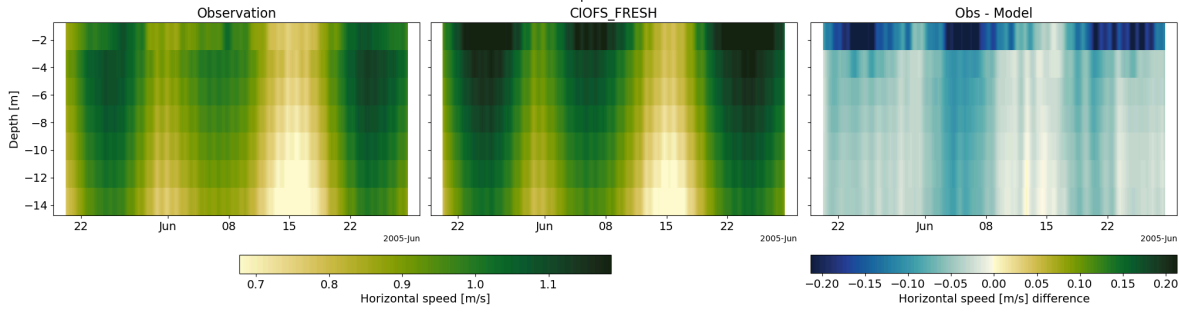
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

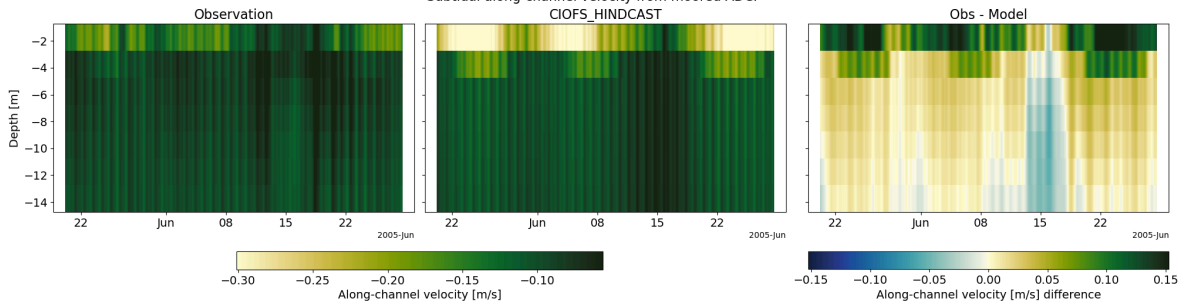
COI0506: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.0 ss: 0.9 dist: 0.1 std_M: 0.1 std_O: 0.1
 2005-05-18 depth: -1.74m lon: -151.44 lat: 60.58
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

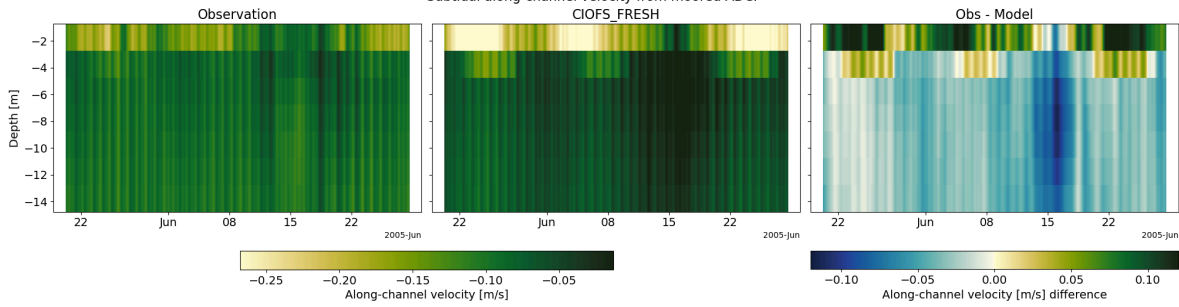
CIOFS_HINDCAST

COI0506: bias: -0.0 corr: 0.7 ioa: 0.7 rmse: 0.0 ss: 0.5 dist: 0.1 std_M: 0.1 std_O: 0.0
 2005-05-18 depth: -1.74m lon: -151.44 lat: 60.58 θ_M^{ot} : 87° θ_O^{ot} : 87°
 Subtidal along-channel velocity from moored ADCP



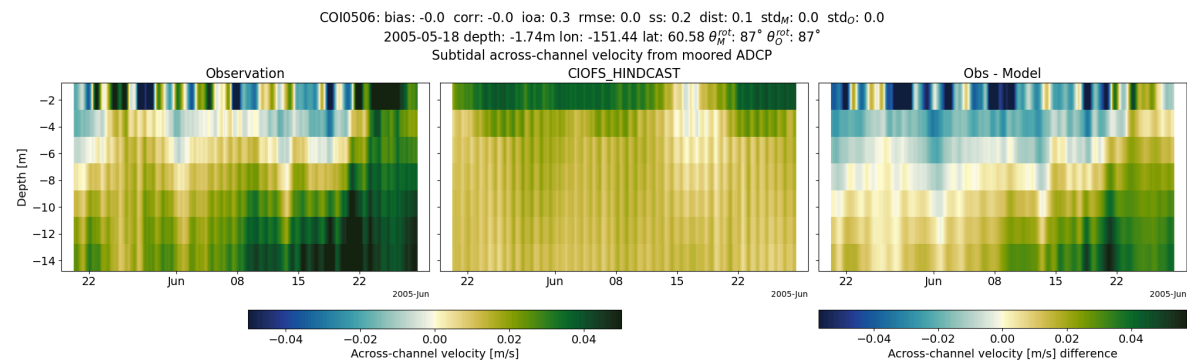
CIOFS_FRESH

COI0506: bias: 0.0 corr: 0.8 ioa: 0.7 rmse: 0.0 ss: 0.4 dist: 0.1 std_M: 0.1 std_O: 0.0
 2005-05-18 depth: -1.74m lon: -151.44 lat: 60.58 θ_M^{ot} : 87° θ_O^{ot} : 87°
 Subtidal along-channel velocity from moored ADCP

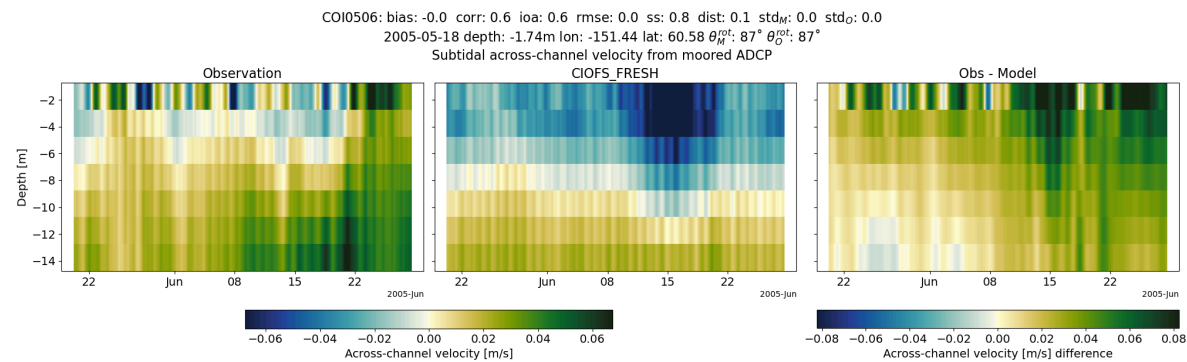


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

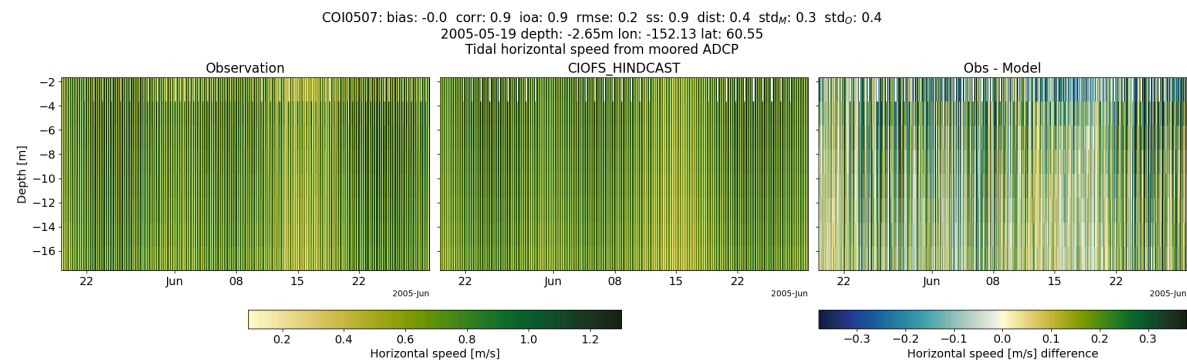


COI0507

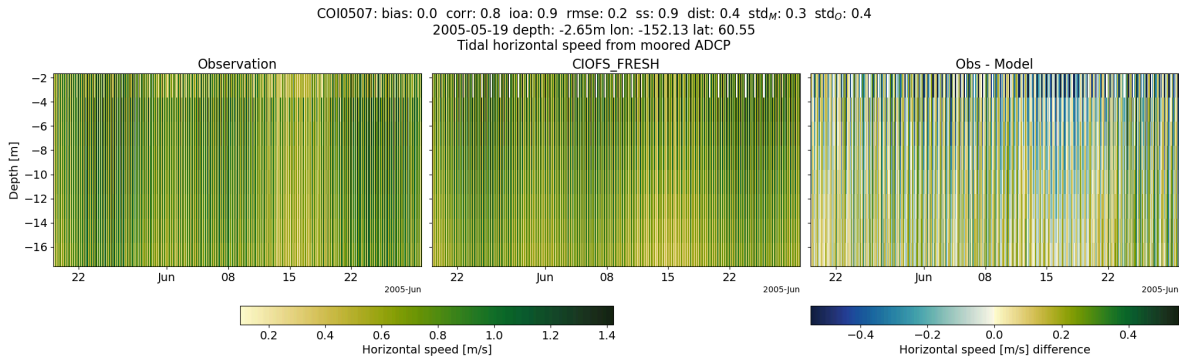
Tidal

Horizontal speed

CIOFS_HINDCAST

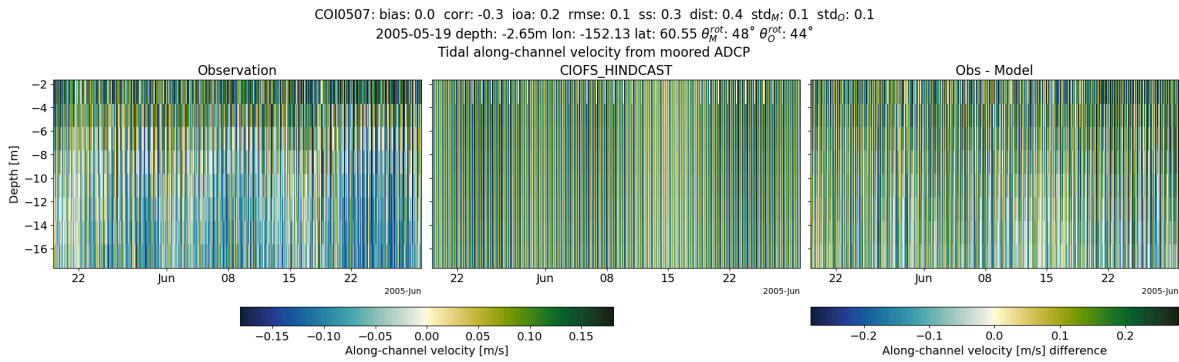


CIOFS_FRESH

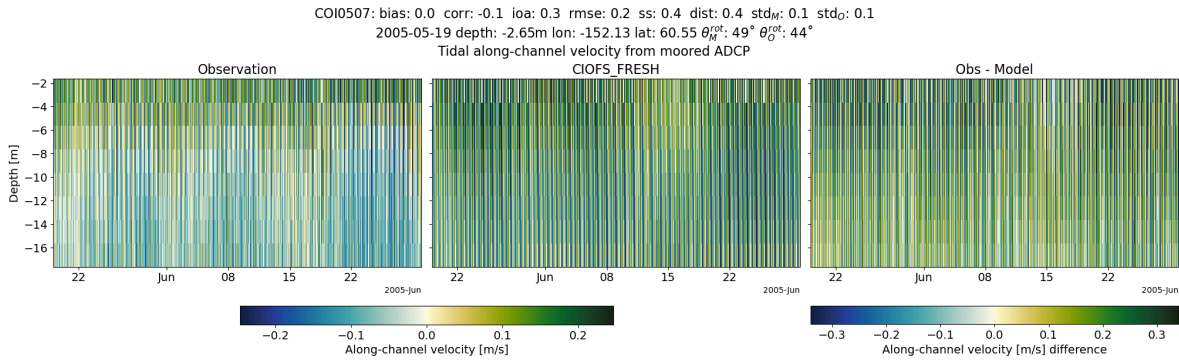


Along-channel velocity

CIOFS_HINDCAST

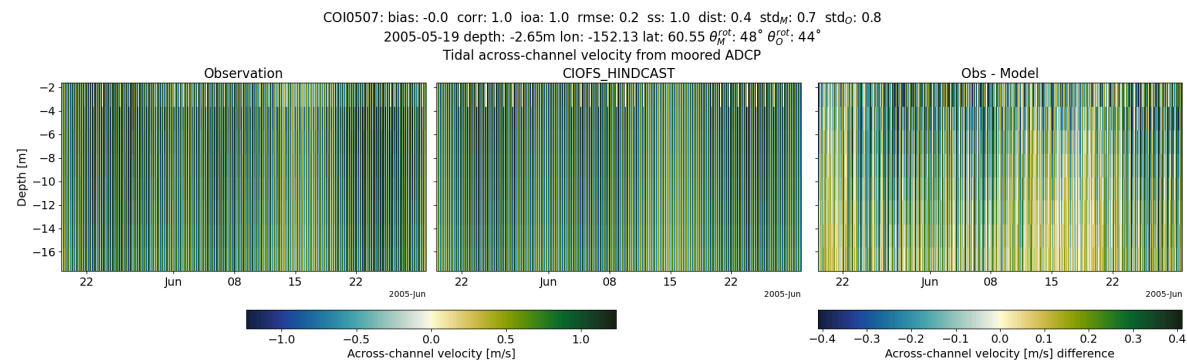


CIOFS_FRESH

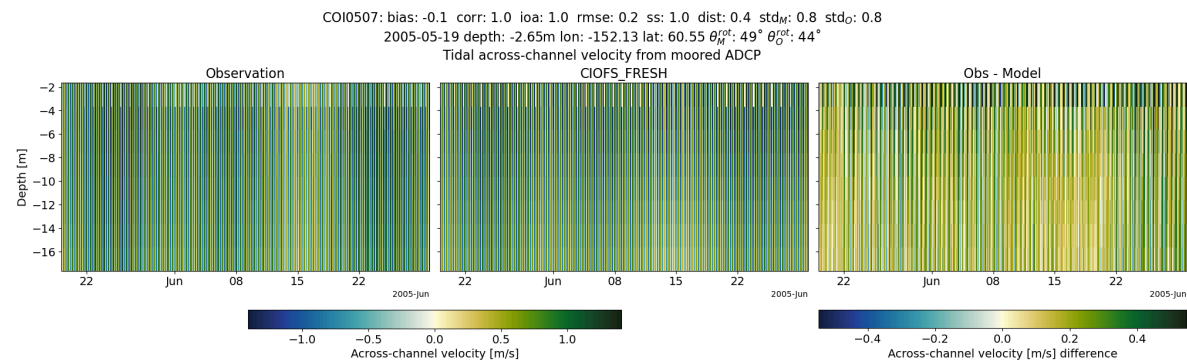


Across-channel velocity

CIOFS_HINDCAST



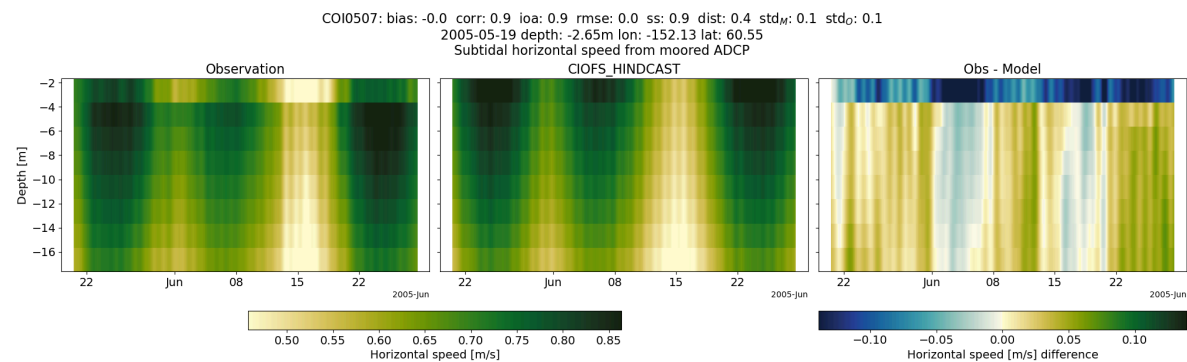
CIOFS_FRESH



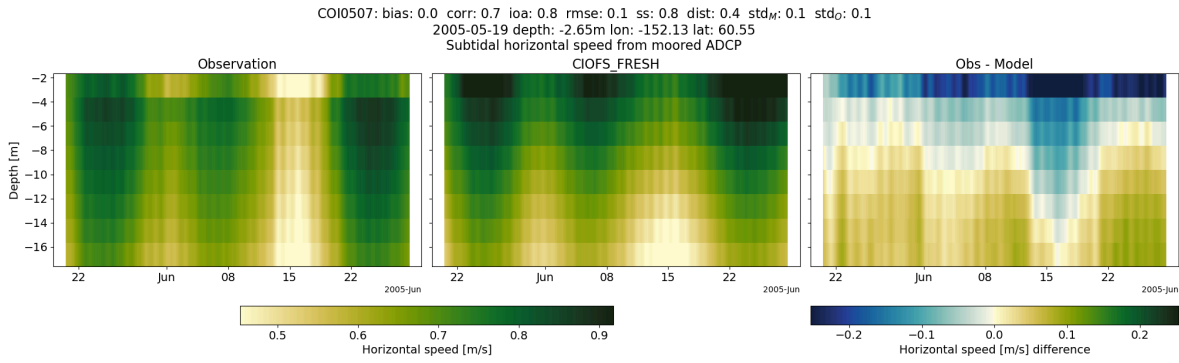
Subtidal

Horizontal speed

CIOFS_HINDCAST

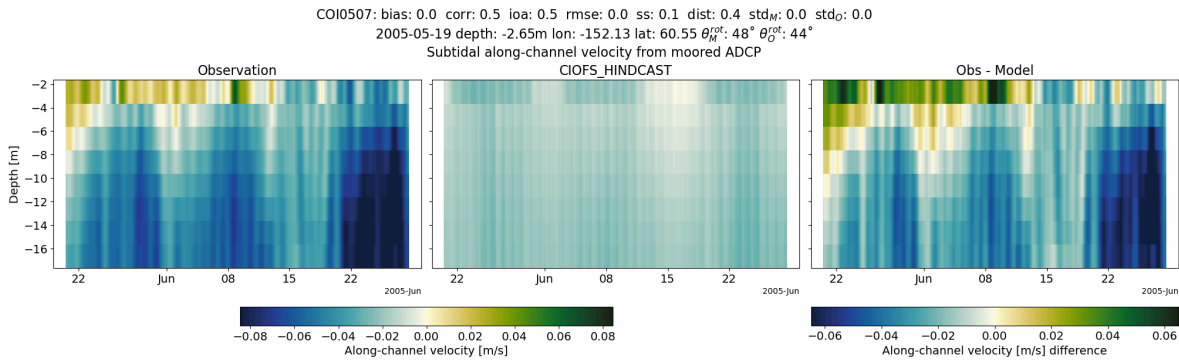


CIOFS_FRESH

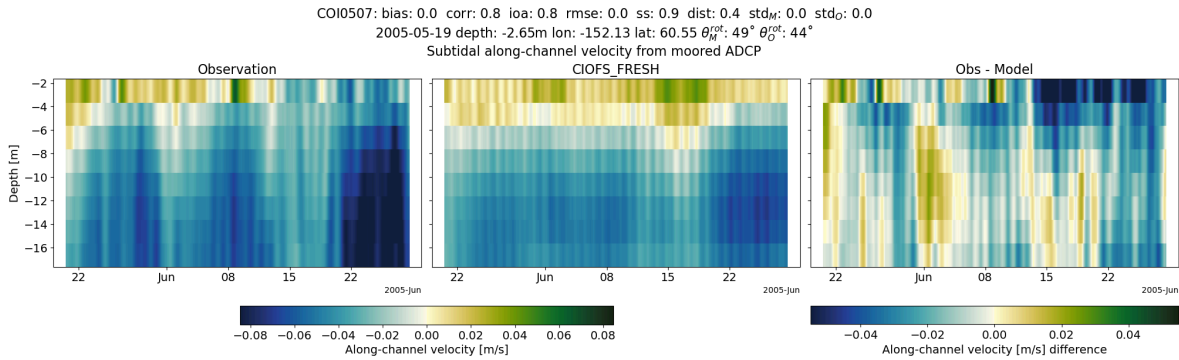


Along-channel velocity

CIOFS_HINDCAST

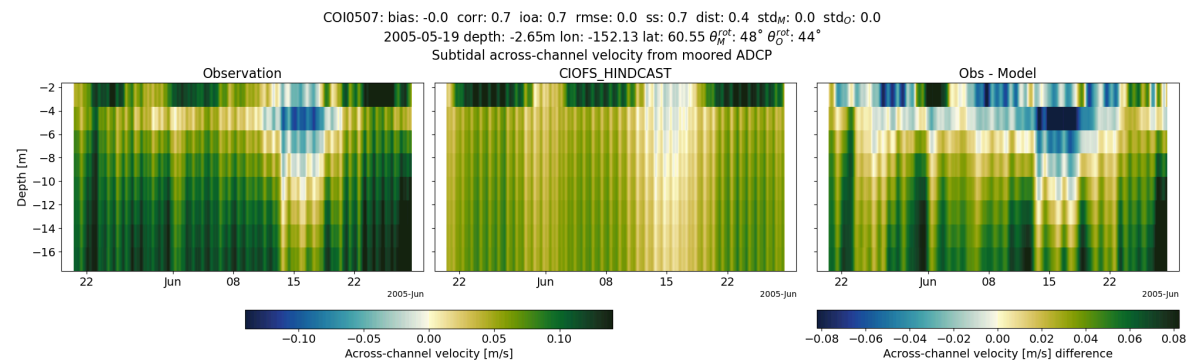


CIOFS_FRESH

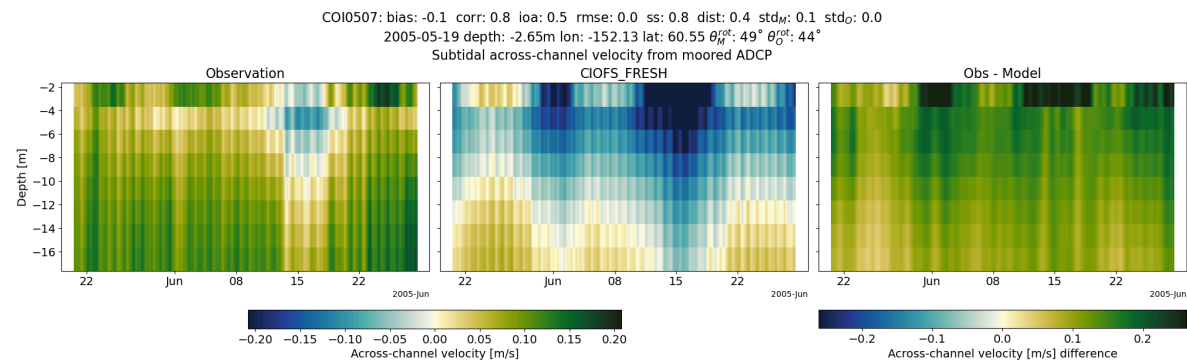


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

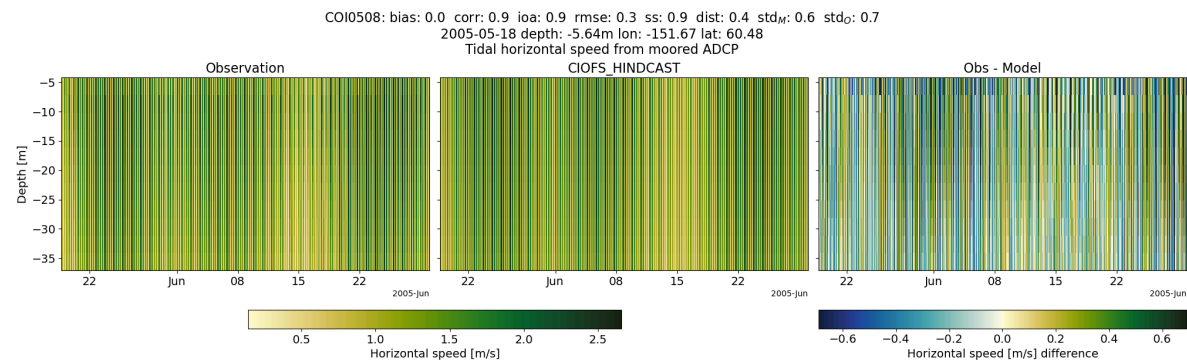


COI0508

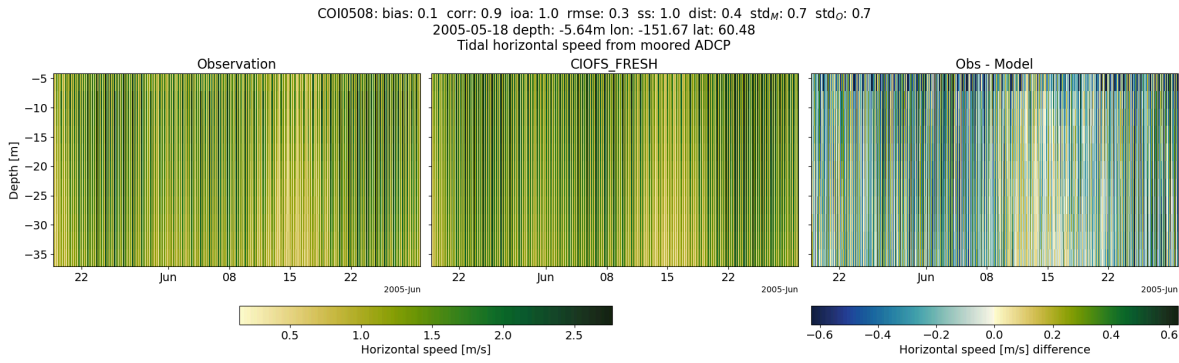
Tidal

Horizontal speed

CIOFS_HINDCAST

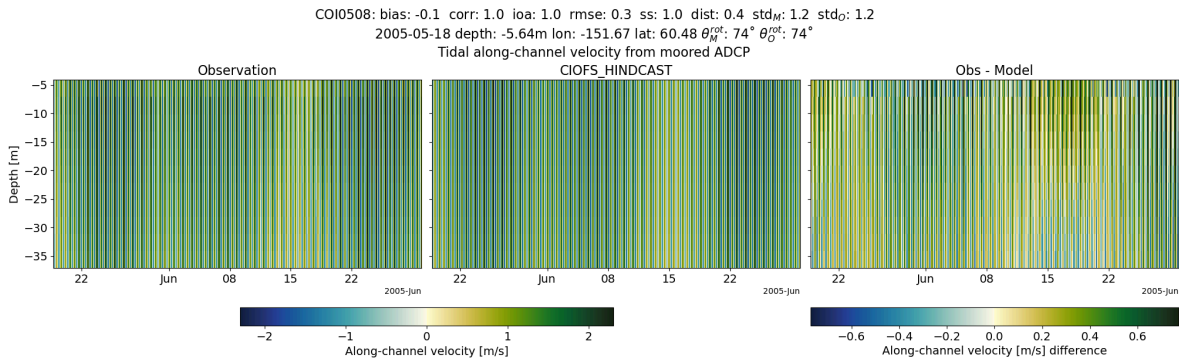


CIOFS_FRESH

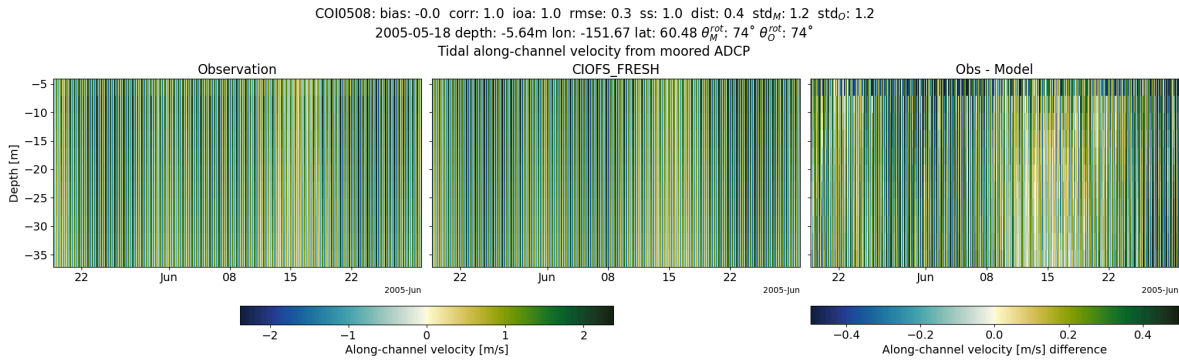


Along-channel velocity

CIOFS_HINDCAST

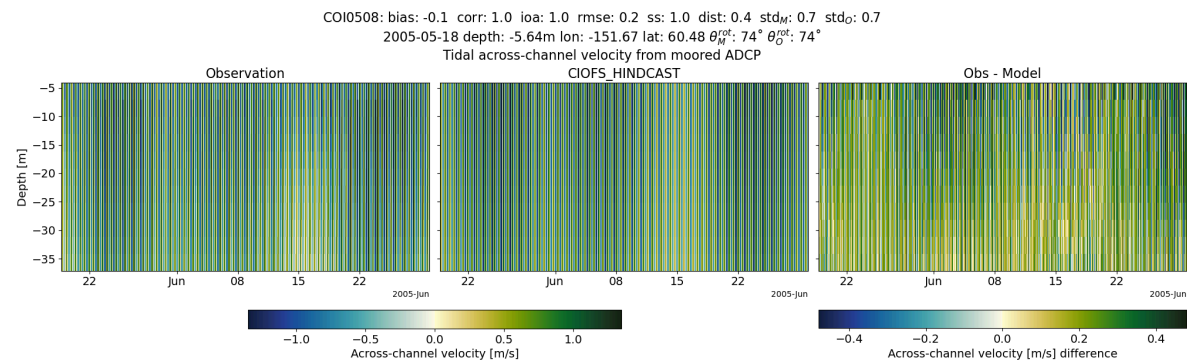


CIOFS_FRESH

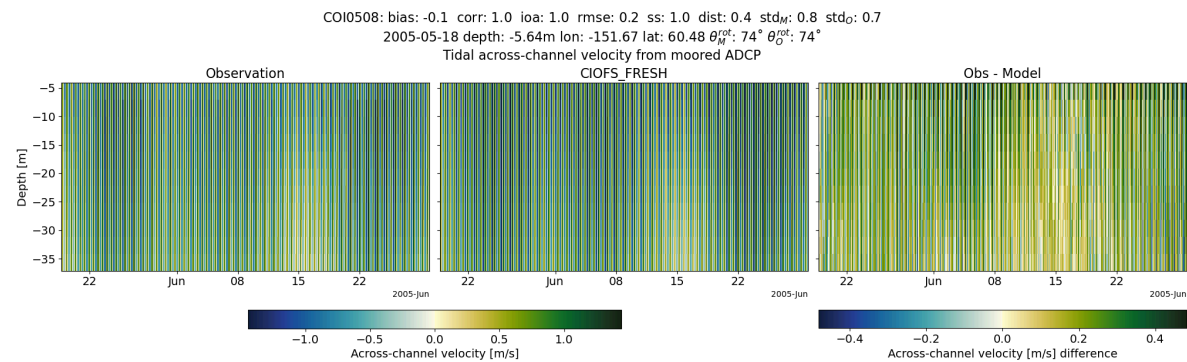


Across-channel velocity

CIOFS_HINDCAST



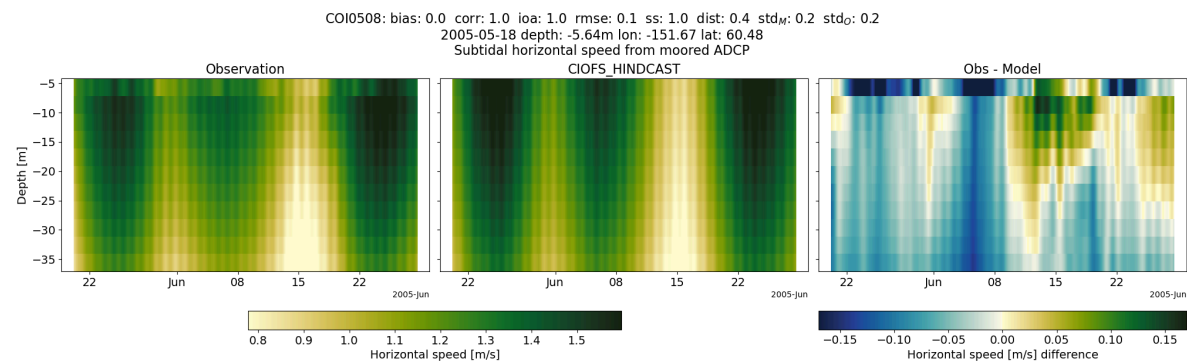
CIOFS_FRESH



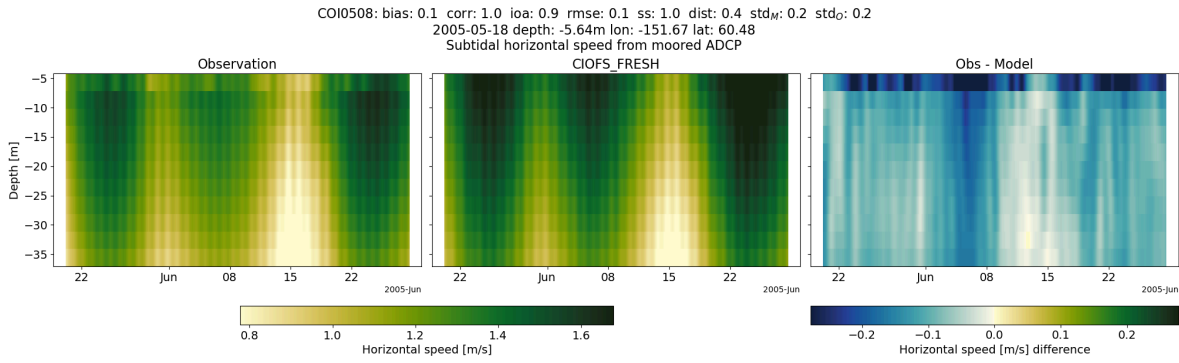
Subtidal

Horizontal speed

CIOFS_HINDCAST

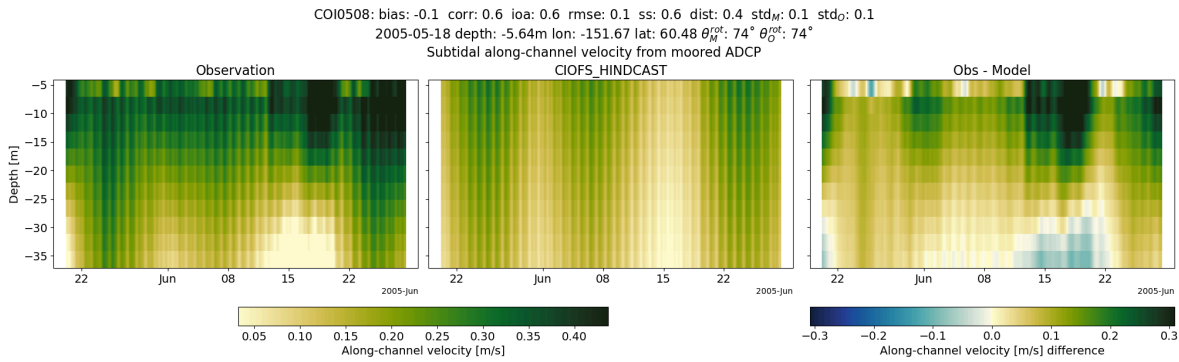


CIOFS_FRESH

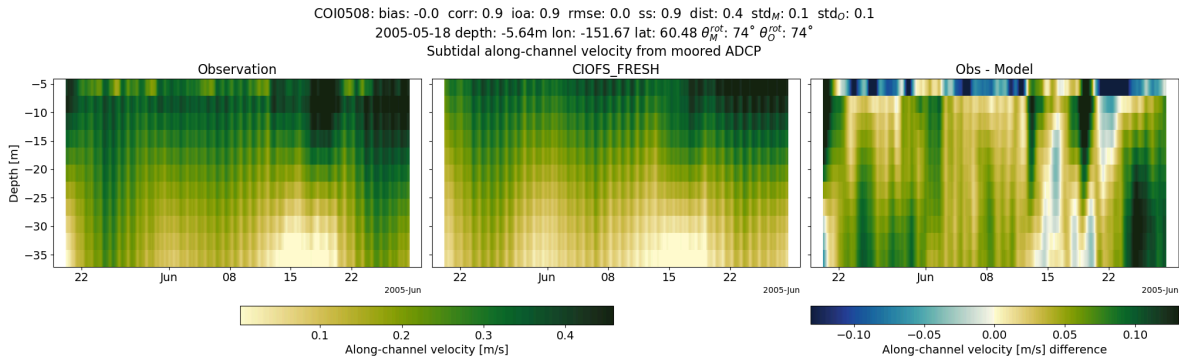


Along-channel velocity

CIOFS_HINDCAST



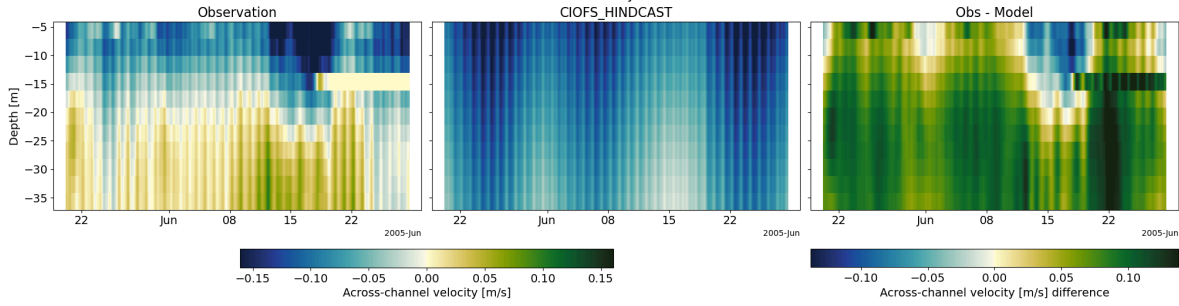
CIOFS_FRESH



Across-channel velocity

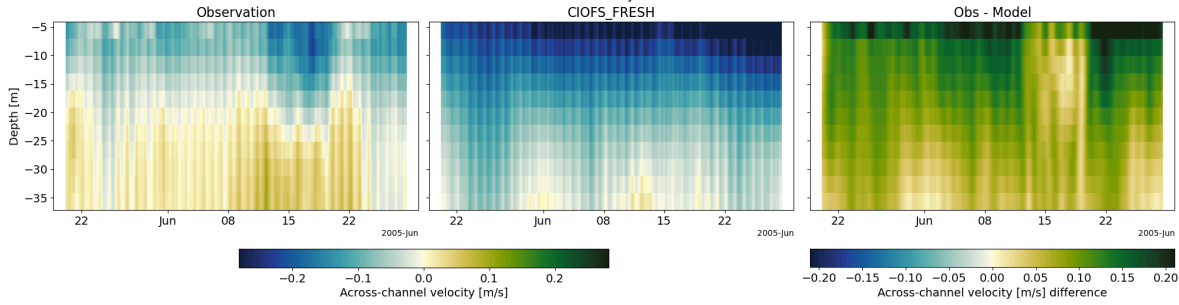
CIOFS_HINDCAST

COI0508: bias: -0.1 corr: 0.5 ioa: 0.5 rmse: 0.0 ss: 0.6 dist: 0.4 std_M: 0.0 std_O: 0.1
2005-05-18 depth: -5.64m lon: -151.67 lat: 60.48 θ_M^{rot} : 74° θ_O^{rot} : 74°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0508: bias: -0.1 corr: 0.9 ioa: 0.6 rmse: 0.0 ss: 0.8 dist: 0.4 std_M: 0.1 std_O: 0.1
2005-05-18 depth: -5.64m lon: -151.67 lat: 60.48 θ_M^{rot} : 74° θ_O^{rot} : 74°
Subtidal across-channel velocity from moored ADCP



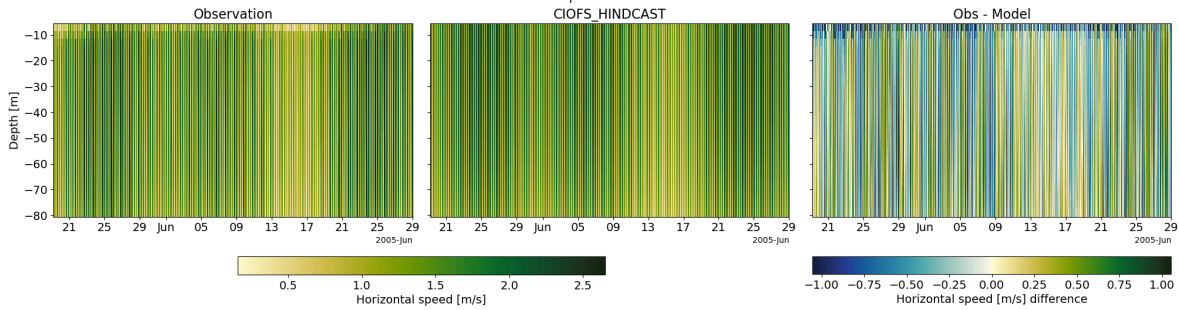
COI0509

Tidal

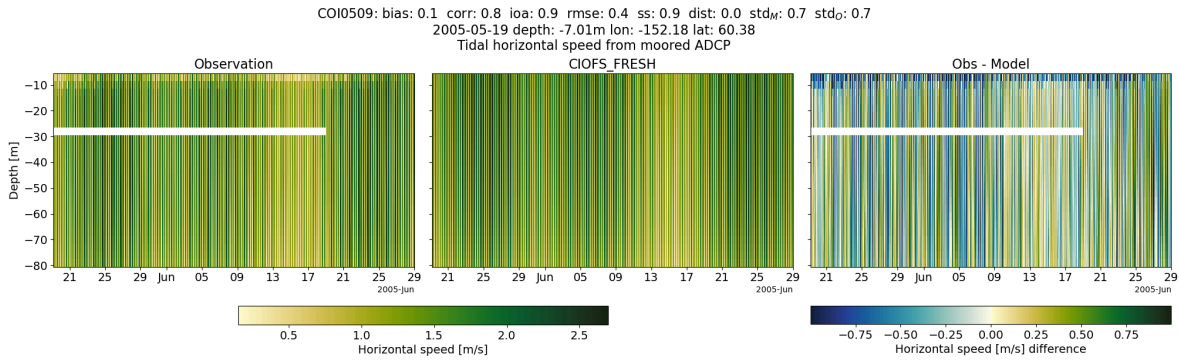
Horizontal speed

CIOFS_HINDCAST

COI0509: bias: 0.1 corr: 0.8 ioa: 0.9 rmse: 0.4 ss: 0.9 dist: 0.0 std_M: 0.6 std_O: 0.7
2005-05-19 depth: -7.01m lon: -152.18 lat: 60.38
Tidal horizontal speed from moored ADCP

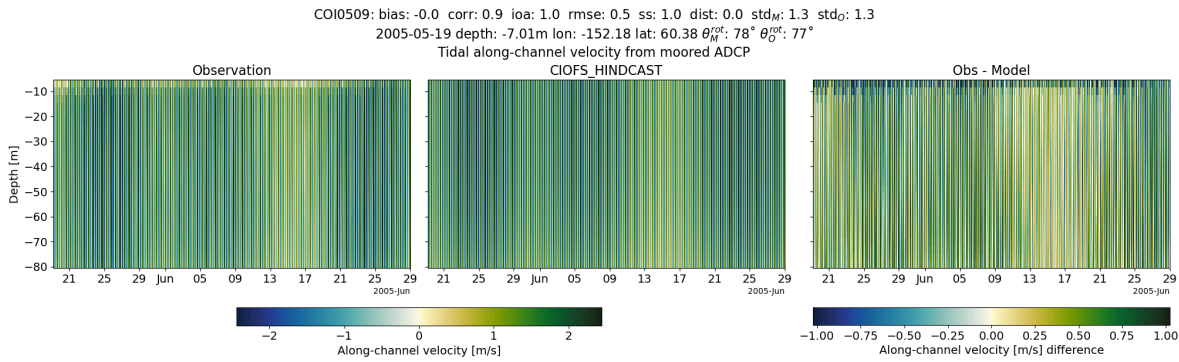


CIOFS_FRESH

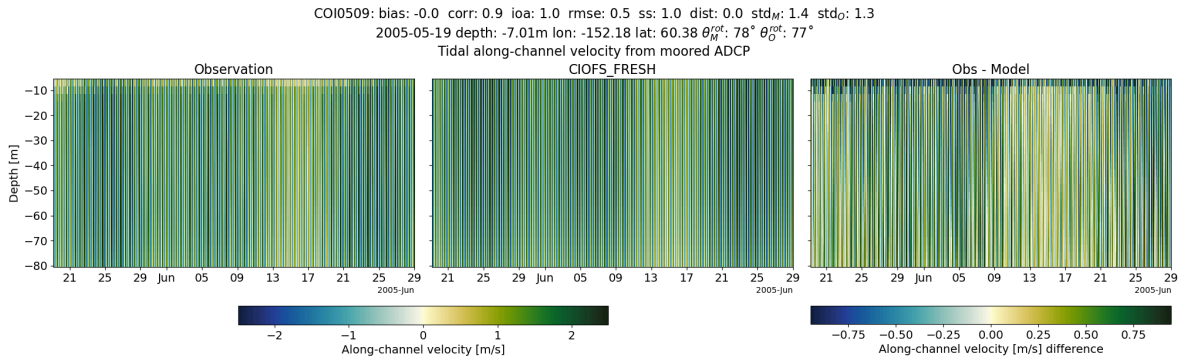


Along-channel velocity

CIOFS_HINDCAST

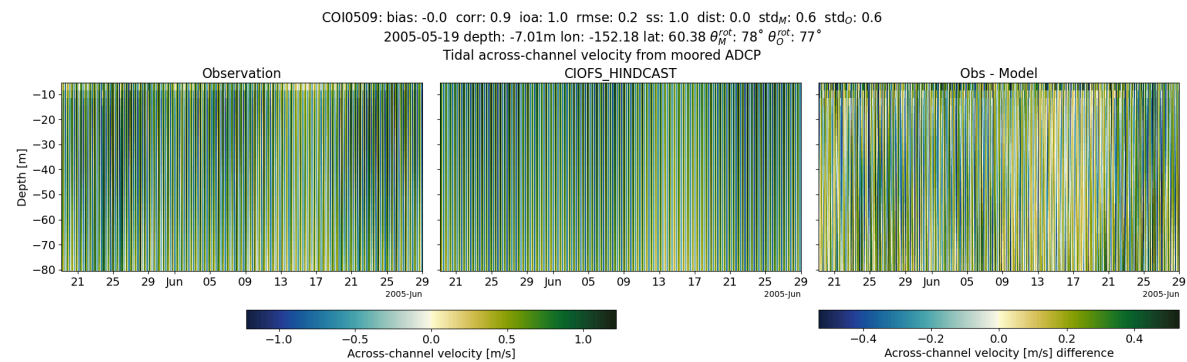


CIOFS_FRESH

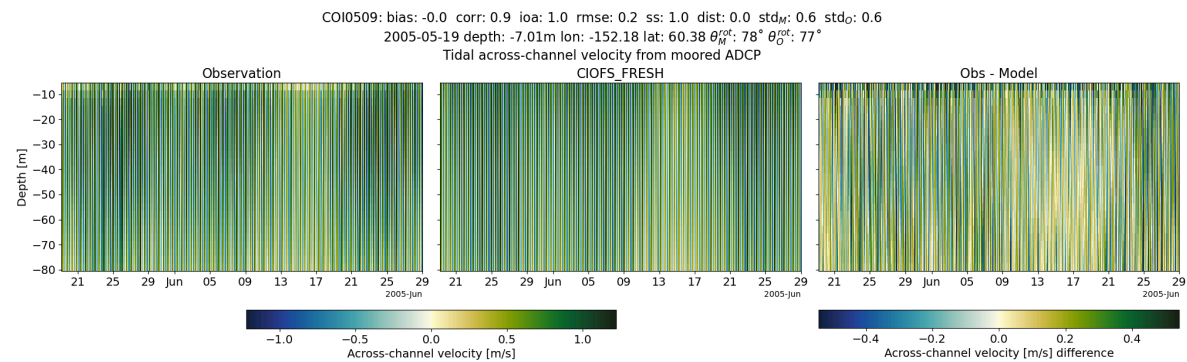


Across-channel velocity

CIOFS_HINDCAST



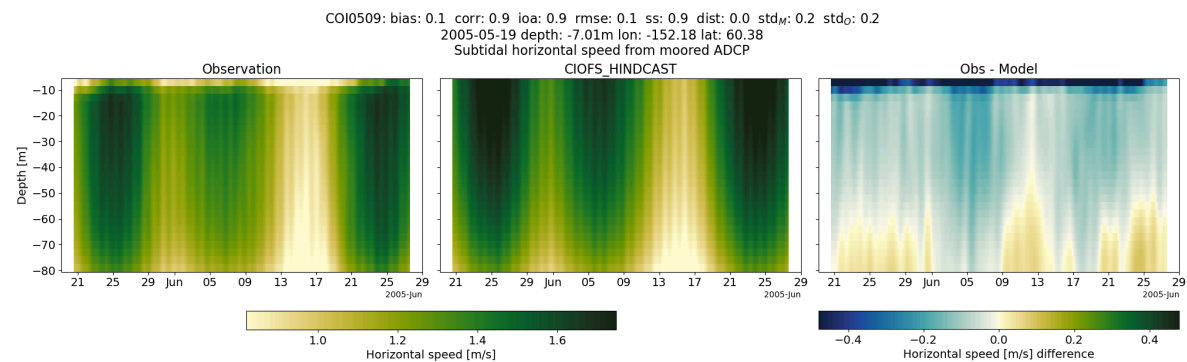
CIOFS_FRESH



Subtidal

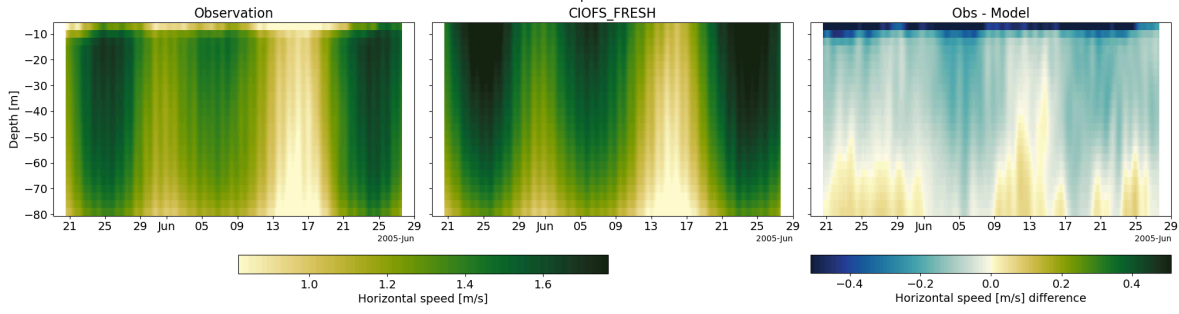
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

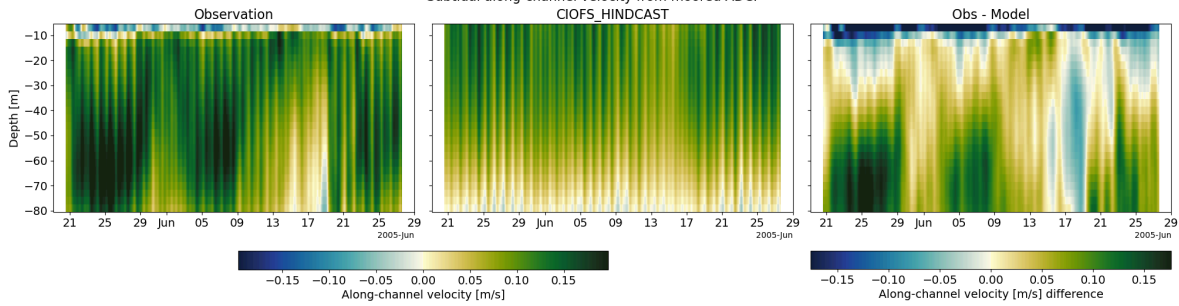
COI0509: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.0 std_M: 0.3 std_O: 0.2
 2005-05-19 depth: -7.01m lon: -152.18 lat: 60.38
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

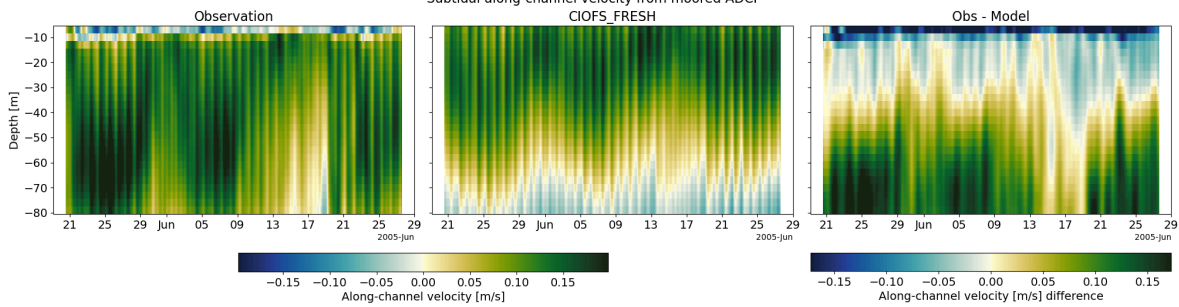
CIOFS_HINDCAST

COI0509: bias: -0.0 corr: 0.0 ioa: 0.4 rmse: 0.1 ss: 0.5 dist: 0.0 std_M: 0.0 std_O: 0.1
 2005-05-19 depth: -7.01m lon: -152.18 lat: 60.38 θ_M^{rot} : 78° θ_O^{rot} : 77°
 Subtidal along-channel velocity from moored ADCP



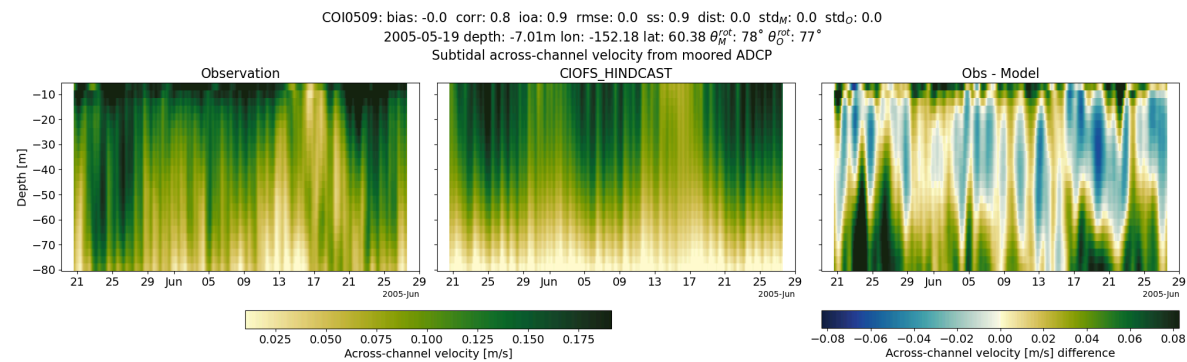
CIOFS_FRESH

COI0509: bias: -0.0 corr: 0.2 ioa: 0.5 rmse: 0.1 ss: 0.6 dist: 0.0 std_M: 0.1 std_O: 0.1
 2005-05-19 depth: -7.01m lon: -152.18 lat: 60.38 θ_M^{rot} : 78° θ_O^{rot} : 77°
 Subtidal along-channel velocity from moored ADCP

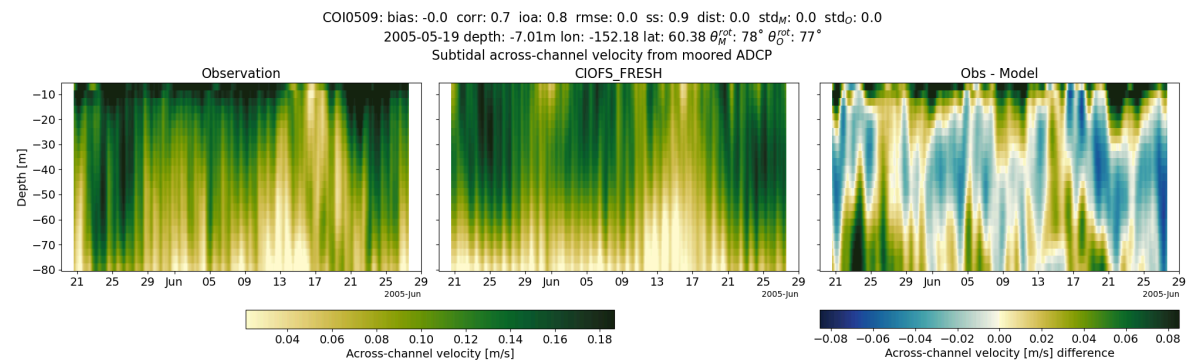


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

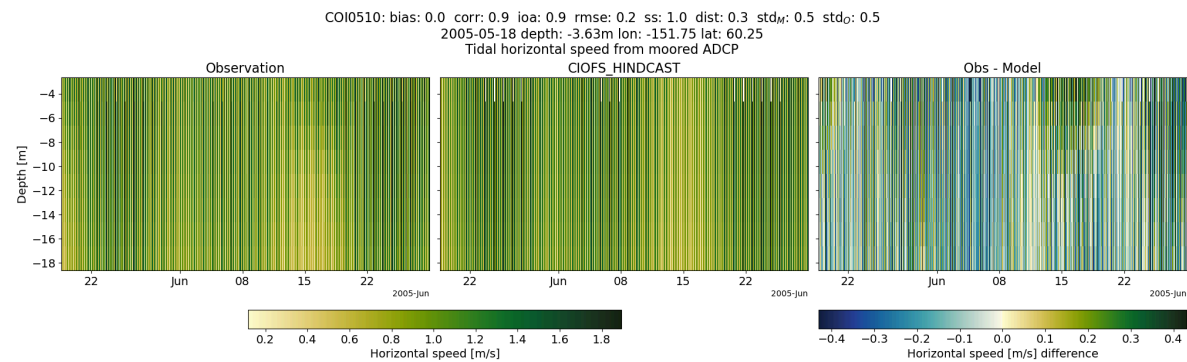


COI0510

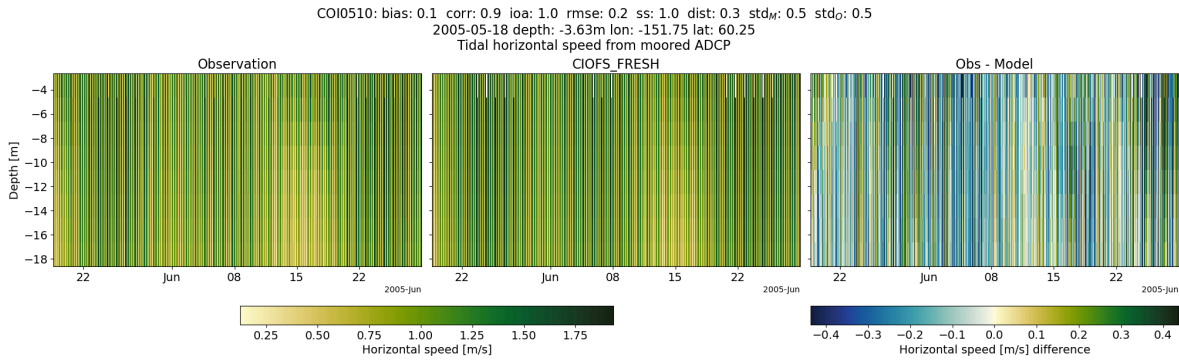
Tidal

Horizontal speed

CIOFS_HINDCAST

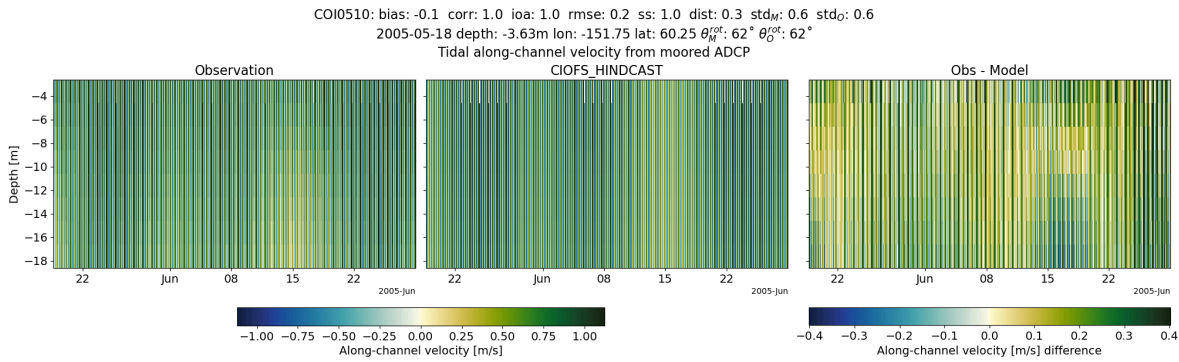


CIOFS_FRESH

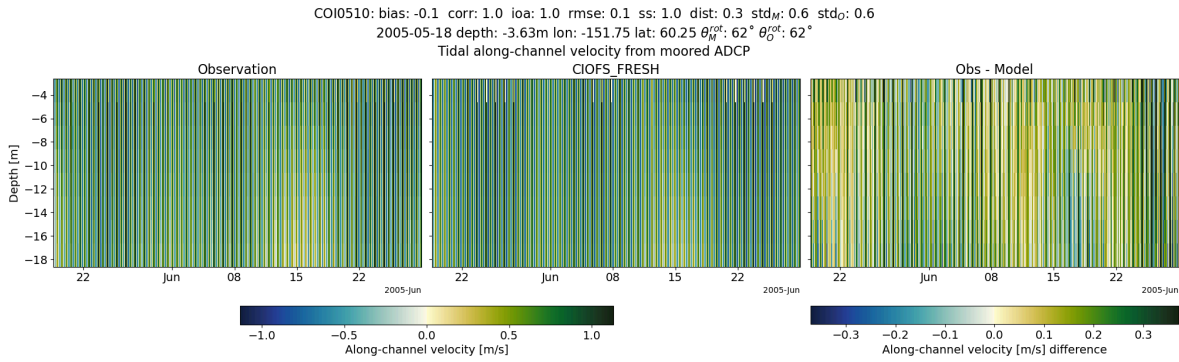


Along-channel velocity

CIOFS_HINDCAST

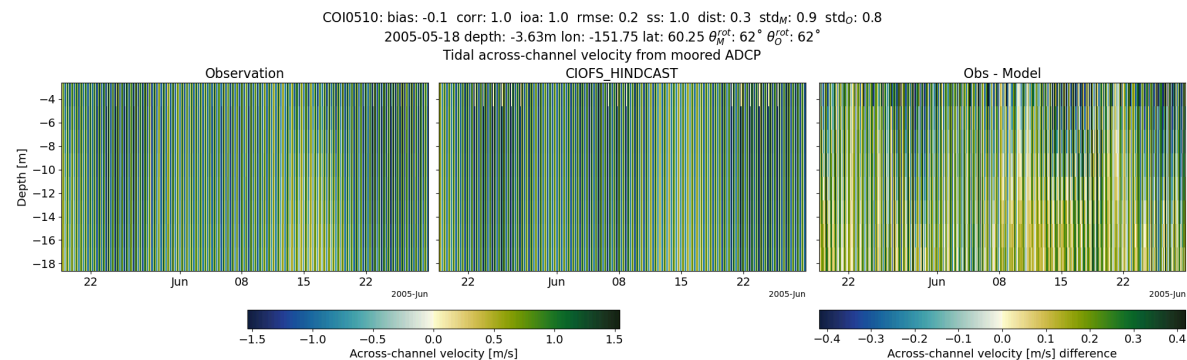


CIOFS_FRESH

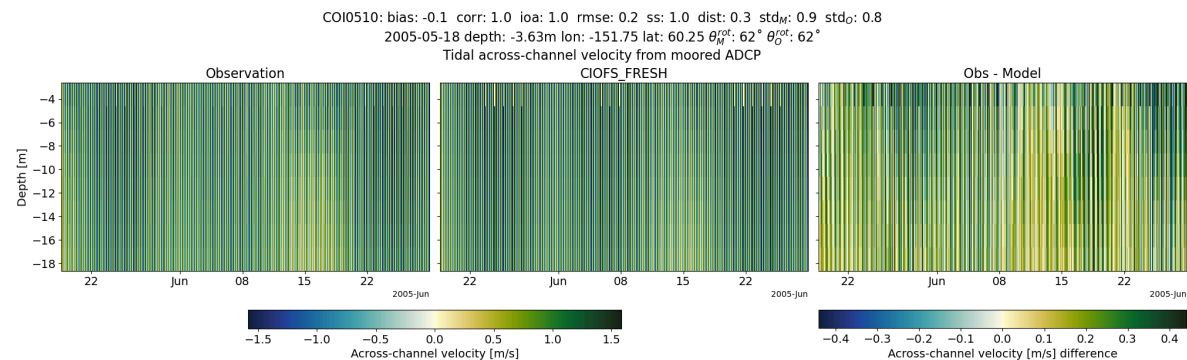


Across-channel velocity

CIOFS_HINDCAST



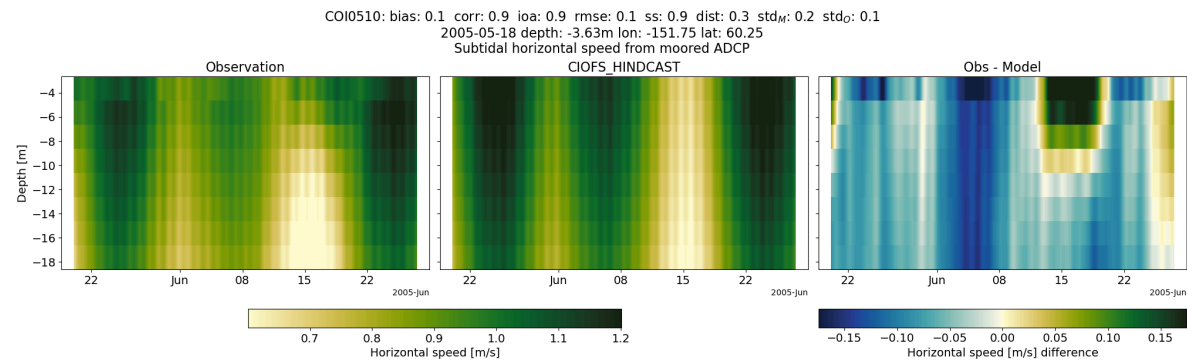
CIOFS_FRESH



Subtidal

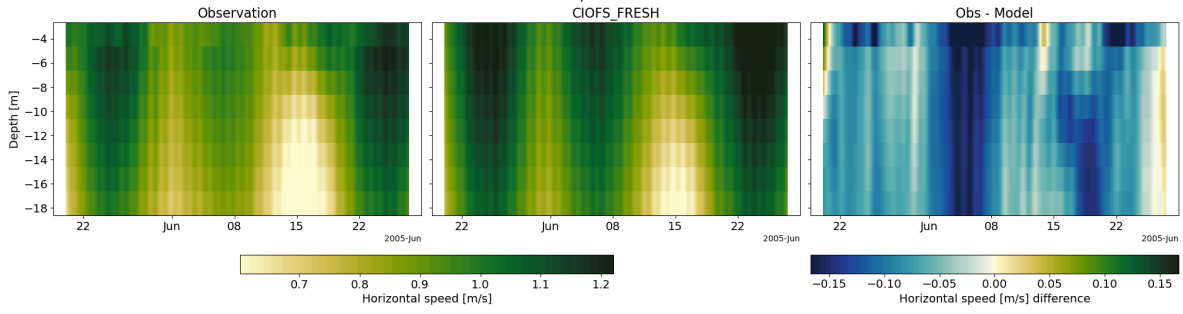
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

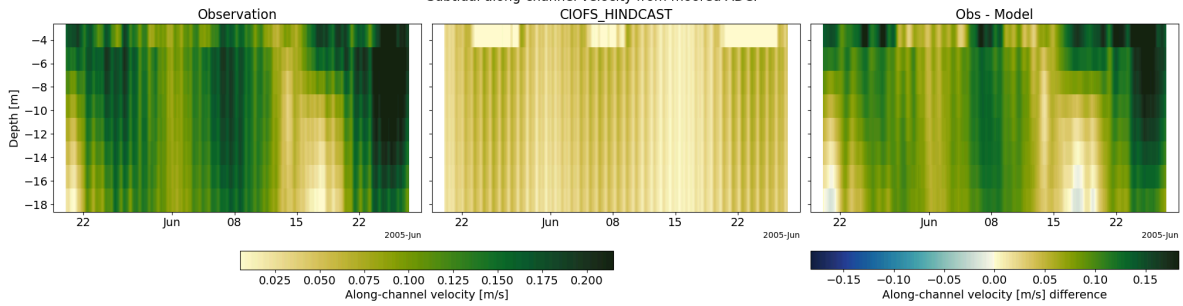
COI0510: bias: 0.1 corr: 1.0 ioa: 0.9 rmse: 0.0 ss: 1.0 dist: 0.3 std_M: 0.1 std_O: 0.1
 2005-05-18 depth: -3.63m lon: -151.75 lat: 60.25
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

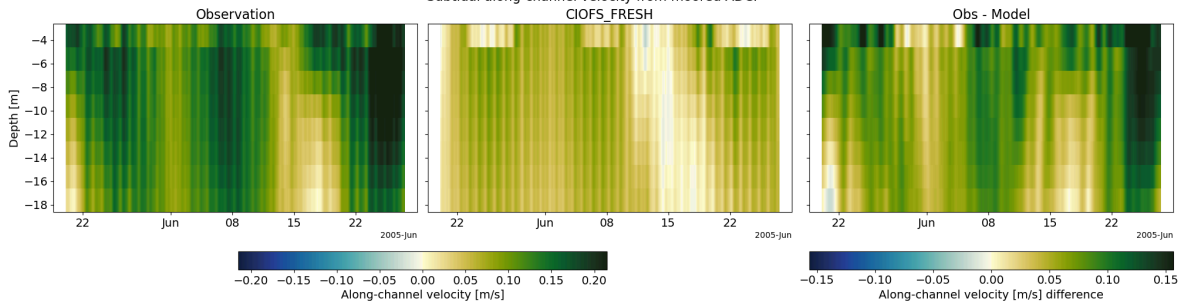
CIOFS_HINDCAST

COI0510: bias: -0.1 corr: 0.5 ioa: 0.5 rmse: 0.0 ss: 0.4 dist: 0.3 std_M: 0.0 std_O: 0.0
 2005-05-18 depth: -3.63m lon: -151.75 lat: 60.25 θ_M^{ot} : 62° θ_O^{ot} : 62°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

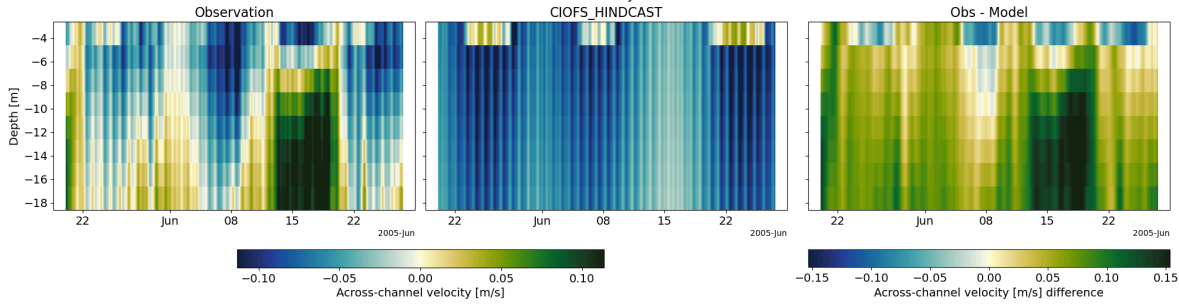
COI0510: bias: -0.1 corr: 0.7 ioa: 0.5 rmse: 0.0 ss: 0.6 dist: 0.3 std_M: 0.0 std_O: 0.0
 2005-05-18 depth: -3.63m lon: -151.75 lat: 60.25 θ_M^{ot} : 62° θ_O^{ot} : 62°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

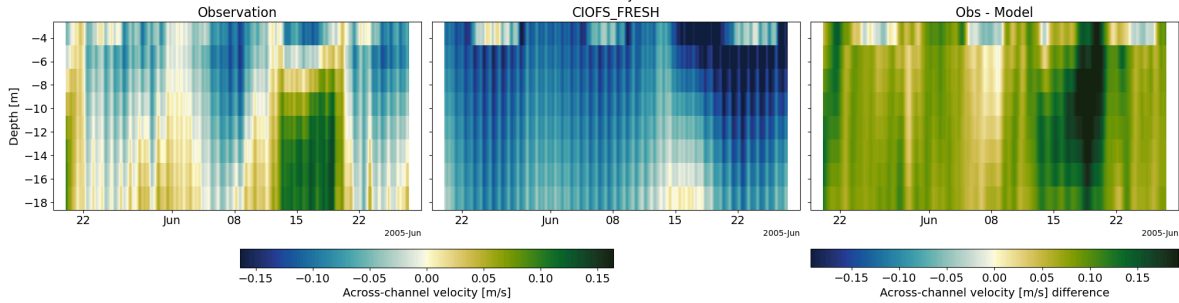
CIOFS_HINDCAST

COI0510: bias: -0.1 corr: 0.5 ioa: 0.5 rmse: 0.0 ss: 0.5 dist: 0.3 std_M: 0.0 std_O: 0.1
2005-05-18 depth: -3.63m lon: -151.75 lat: 60.25 θ_M^{act} : 62° θ_O^{act} : 62°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0510: bias: -0.1 corr: 0.6 ioa: 0.5 rmse: 0.0 ss: 0.7 dist: 0.3 std_M: 0.0 std_O: 0.1
2005-05-18 depth: -3.63m lon: -151.75 lat: 60.25 θ_M^{act} : 62° θ_O^{act} : 62°
Subtidal across-channel velocity from moored ADCP



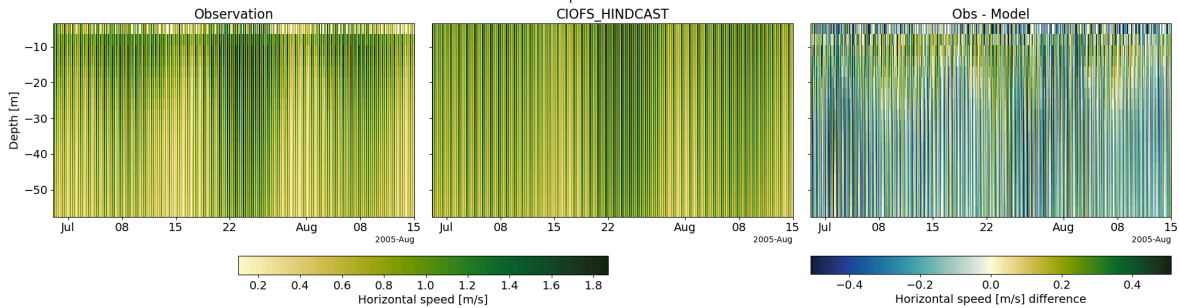
COI0511

Tidal

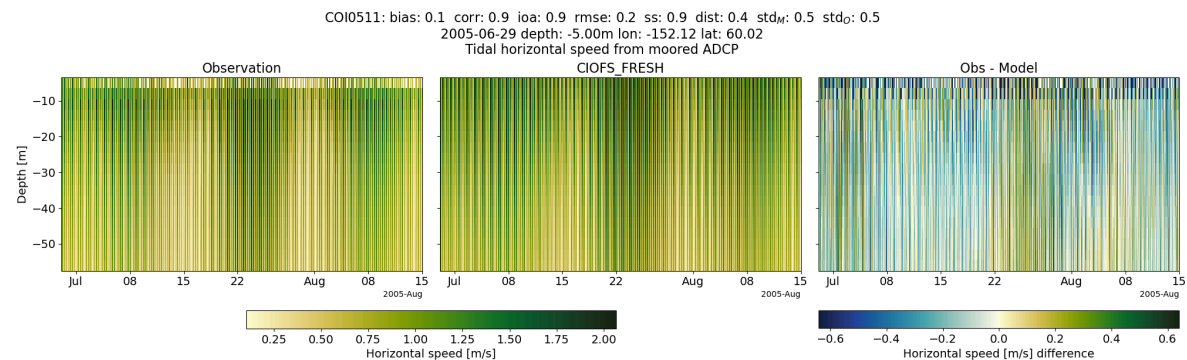
Horizontal speed

CIOFS_HINDCAST

COI0511: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.4 std_M: 0.4 std_O: 0.5
2005-06-29 depth: -5.00m lon: -152.12 lat: 60.02
Tidal horizontal speed from moored ADCP

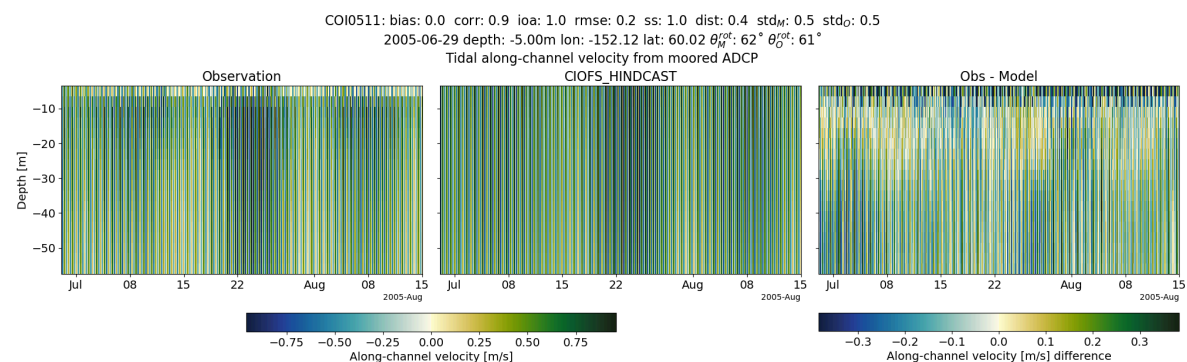


CIOFS_FRESH

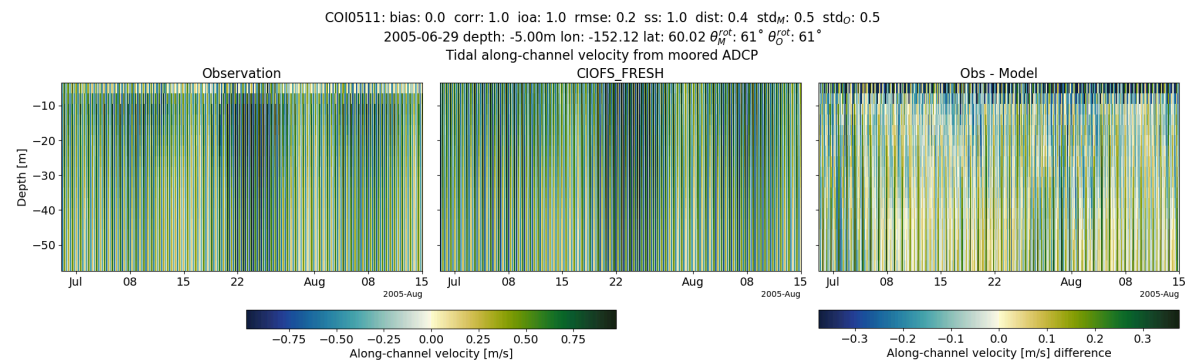


Along-channel velocity

CIOFS_HINDCAST

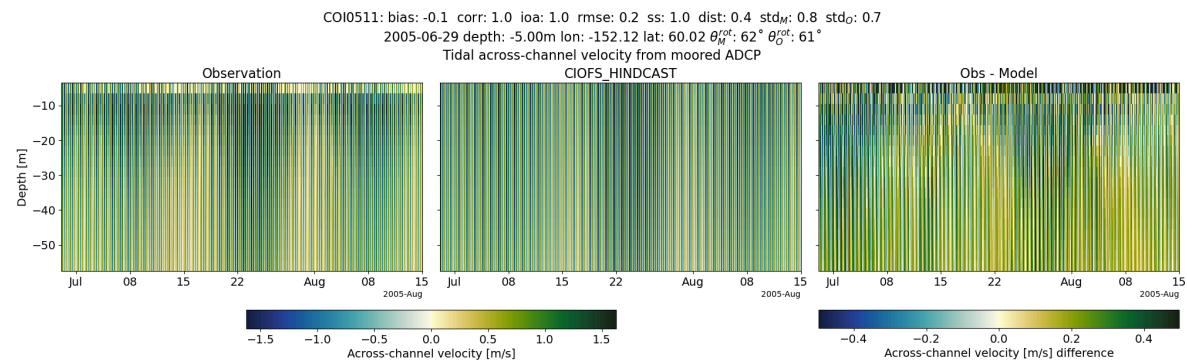


CIOFS_FRESH

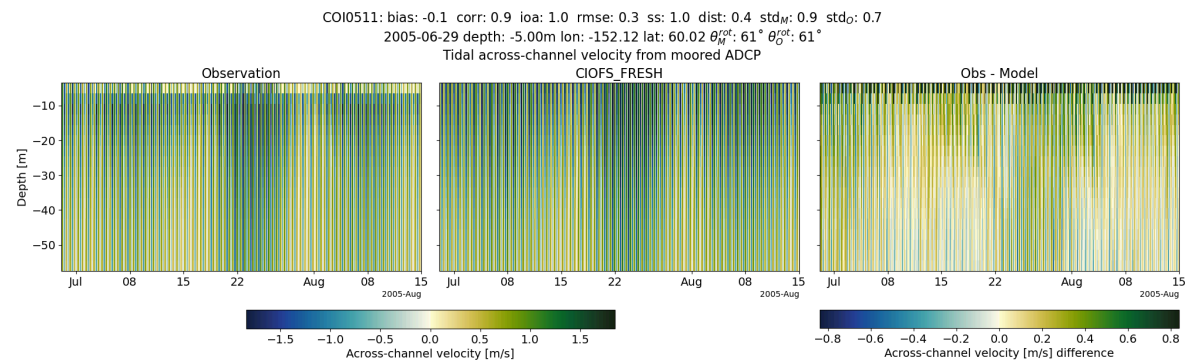


Across-channel velocity

CIOFS_HINDCAST



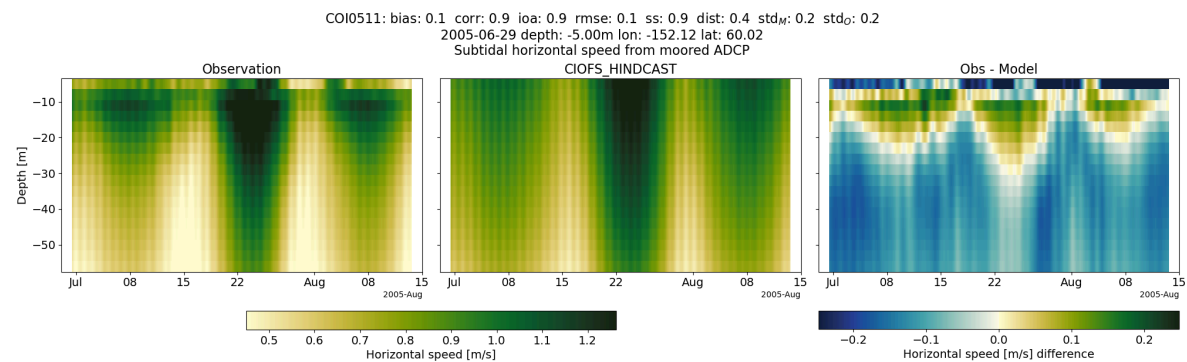
CIOFS_FRESH



Subtidal

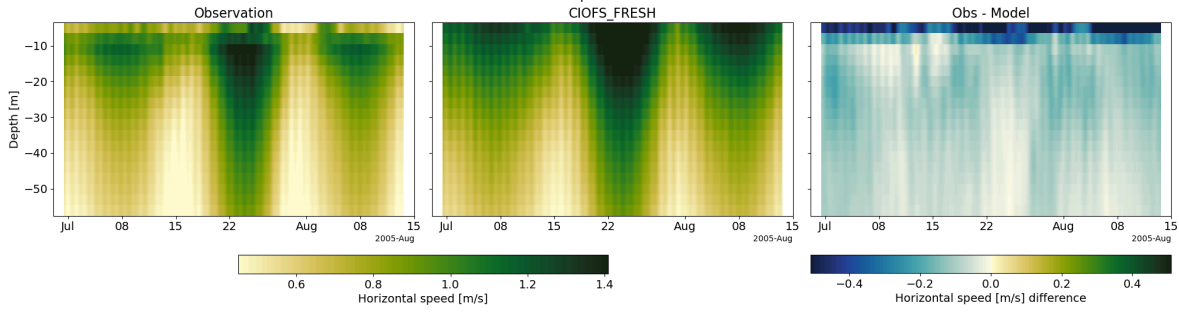
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

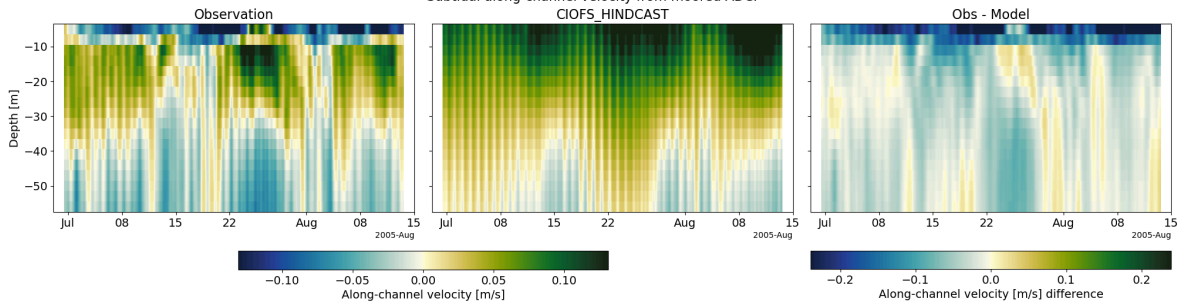
COI0511: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.4 std_M: 0.3 std_O: 0.2
 2005-06-29 depth: -5.00m lon: -152.12 lat: 60.02
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

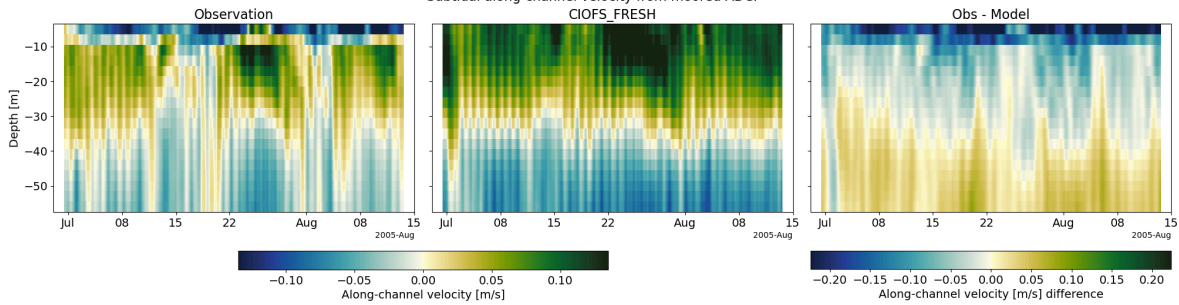
CIOFS_HINDCAST

COI0511: bias: 0.0 corr: 0.2 ioa: 0.5 rmse: 0.1 ss: 0.6 dist: 0.4 std_M: 0.0 std_O: 0.0
 2005-06-29 depth: -5.00m lon: -152.12 lat: 60.02 θ_M^{rot} : 62° θ_O^{rot} : 60°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

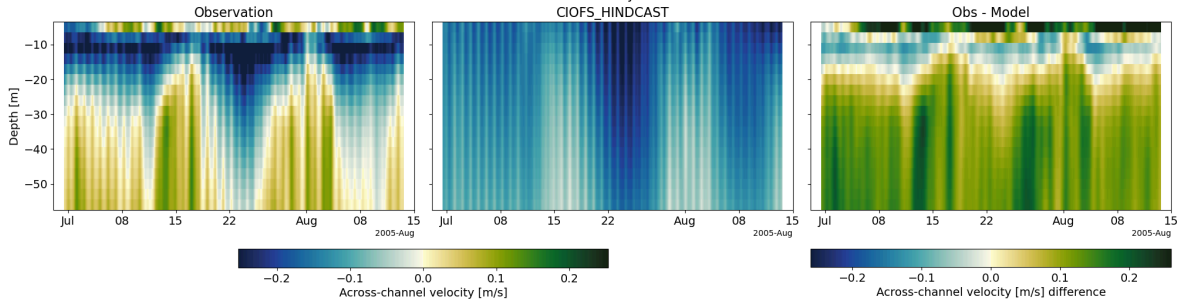
COI0511: bias: 0.0 corr: 0.4 ioa: 0.6 rmse: 0.1 ss: 0.6 dist: 0.4 std_M: 0.1 std_O: 0.0
 2005-06-29 depth: -5.00m lon: -152.12 lat: 60.02 θ_M^{rot} : 61° θ_O^{rot} : 60°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

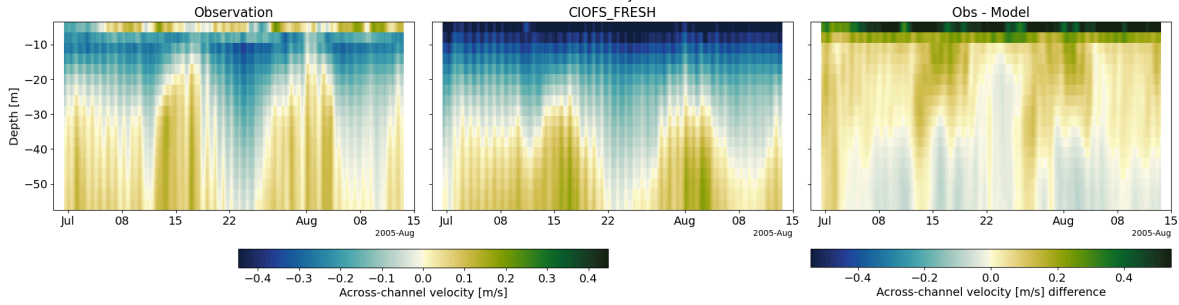
CIOFS_HINDCAST

COI0511: bias: -0.1 corr: 0.7 ioa: 0.6 rmse: 0.1 ss: 0.5 dist: 0.4 std_M: 0.0 std_O: 0.1
2005-06-29 depth: -5.00m lon: -152.12 lat: 60.02 θ_M^{opt} : 62° θ_O^{opt} : 60°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0511: bias: -0.1 corr: 0.6 ioa: 0.7 rmse: 0.1 ss: 0.7 dist: 0.4 std_M: 0.2 std_O: 0.1
2005-06-29 depth: -5.00m lon: -152.12 lat: 60.02 θ_M^{opt} : 61° θ_O^{opt} : 60°
Subtidal across-channel velocity from moored ADCP



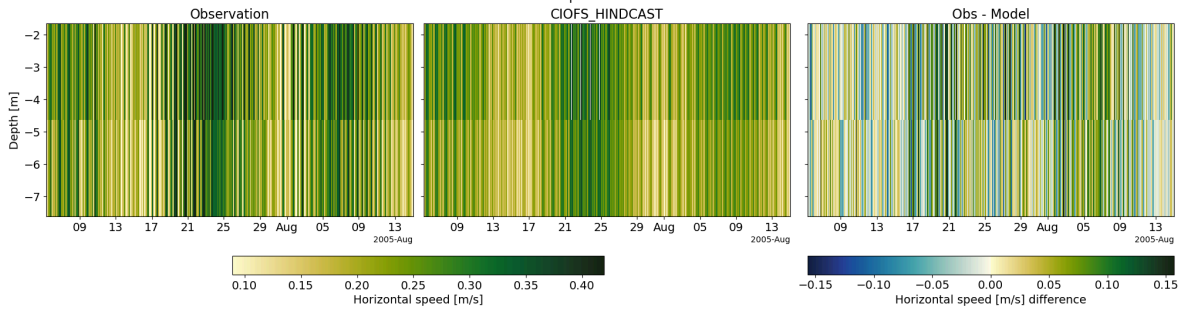
COI0512

Tidal

Horizontal speed

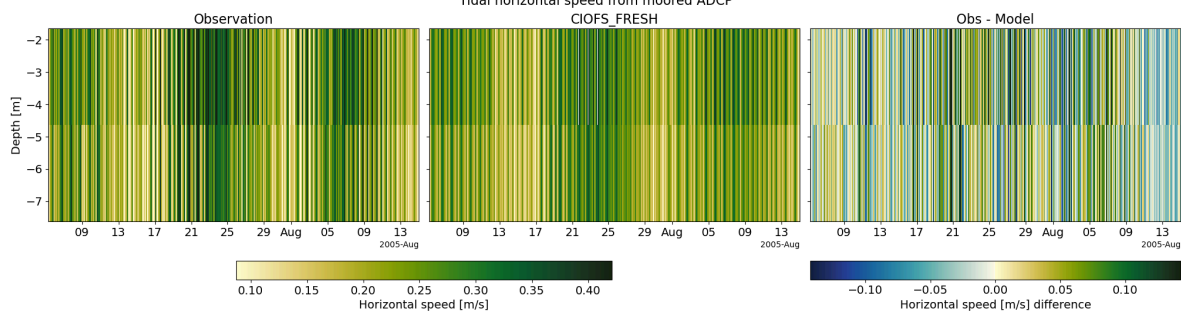
CIOFS_HINDCAST

COI0512: bias: -0.0 corr: 0.8 ioa: 0.8 rmse: 0.1 ss: 0.7 dist: 0.2 std_M: 0.1 std_O: 0.1
2005-07-05 depth: -3.14m lon: -153.42 lat: 59.57
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

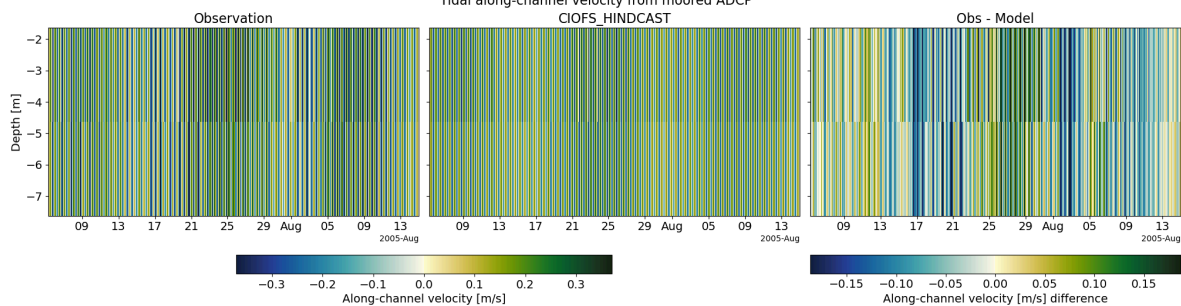
COI0512: bias: -0.0 corr: 0.8 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.2 std_M: 0.1 std_O: 0.1
 2005-07-05 depth: -3.14m lon: -153.42 lat: 59.57
 Tidal horizontal speed from moored ADCP



Along-channel velocity

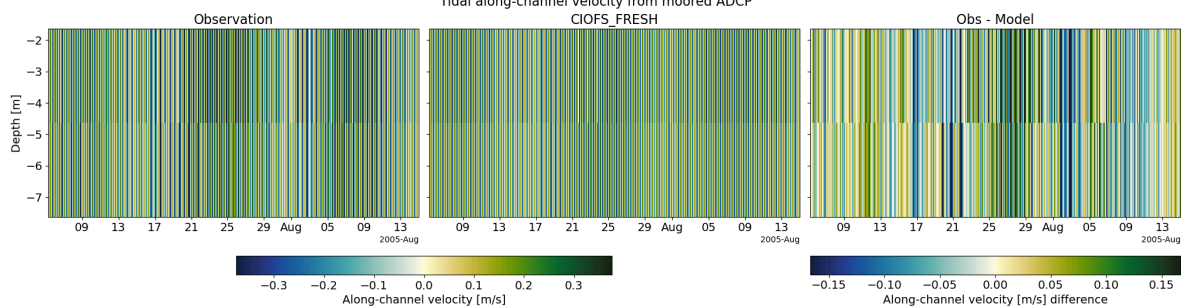
CIOFS_HINDCAST

COI0512: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.2 std_M: 0.2 std_O: 0.2
 2005-07-05 depth: -3.14m lon: -153.42 lat: 59.57 $\theta_M^{90^\circ}$: -18° $\theta_O^{90^\circ}$: -15°
 Tidal along-channel velocity from moored ADCP



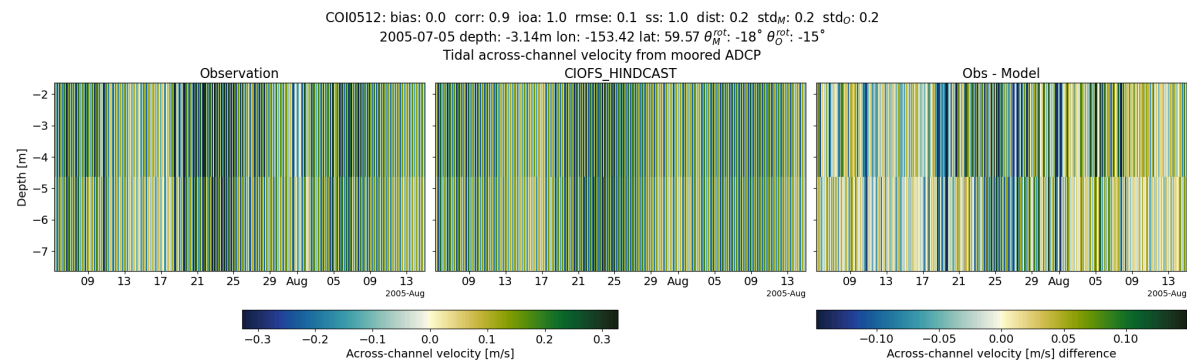
CIOFS_FRESH

COI0512: bias: 0.0 corr: 0.9 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.2 std_O: 0.2
 2005-07-05 depth: -3.14m lon: -153.42 lat: 59.57 $\theta_M^{90^\circ}$: -14° $\theta_O^{90^\circ}$: -15°
 Tidal along-channel velocity from moored ADCP

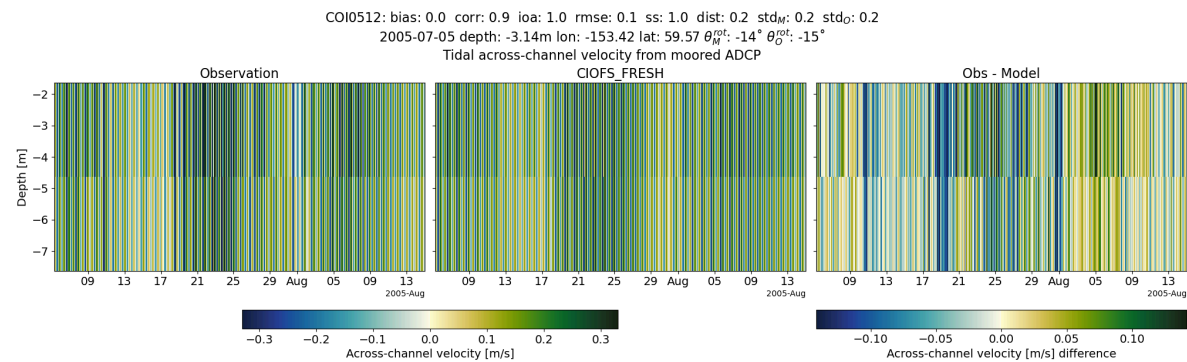


Across-channel velocity

CIOFS_HINDCAST



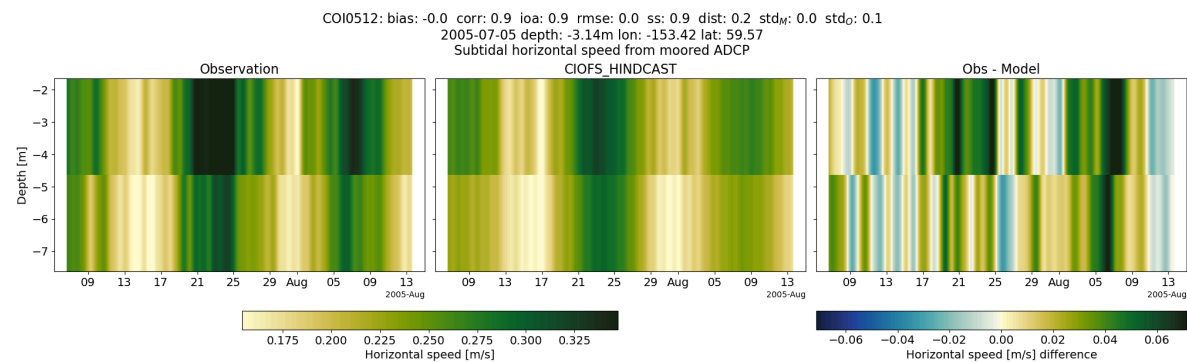
CIOFS_FRESH



Subtidal

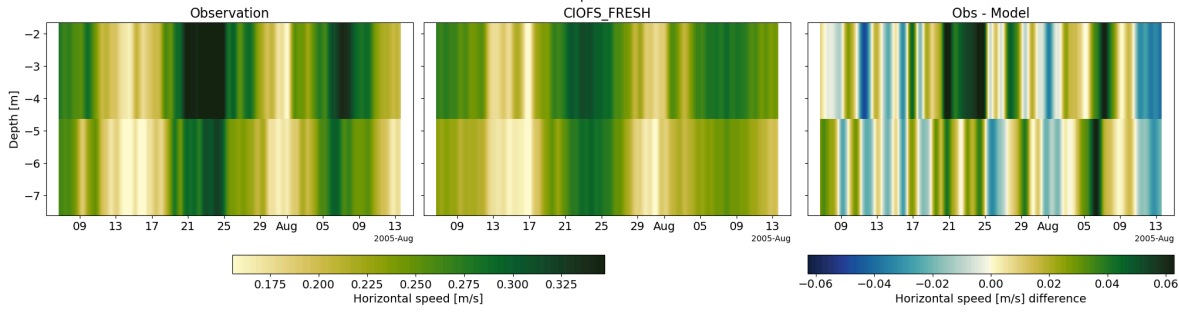
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

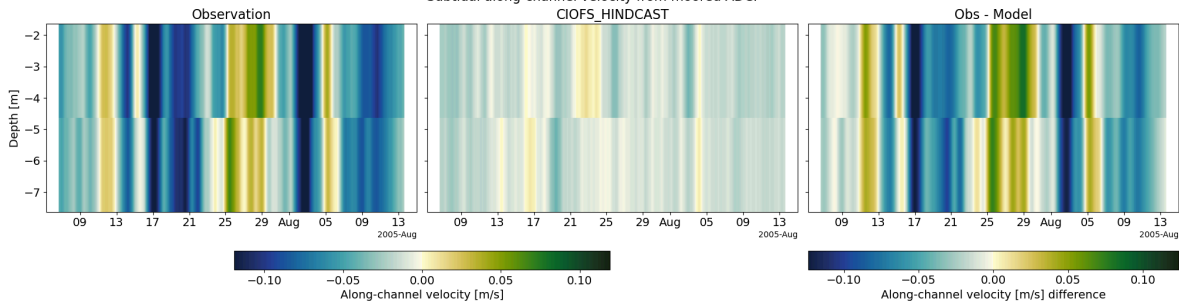
COI0512: bias: -0.0 corr: 0.9 ioa: 0.9 rmse: 0.0 ss: 0.9 dist: 0.2 std_M: 0.0 std_O: 0.1
 2005-07-05 depth: -3.14m lon: -153.42 lat: 59.57
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

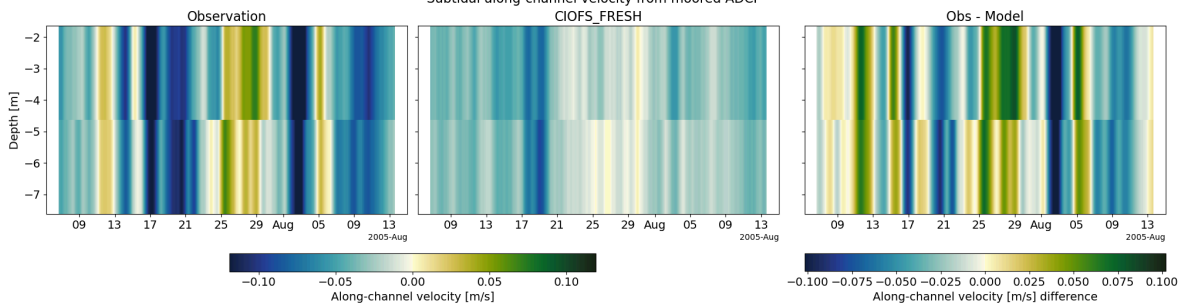
CIOFS_HINDCAST

COI0512: bias: 0.0 corr: 0.2 ioa: 0.4 rmse: 0.0 ss: 0.1 dist: 0.2 std_M: 0.0 std_O: 0.0
 2005-07-05 depth: -3.14m lon: -153.42 lat: 59.57 $\theta_M^{0^\circ}$: -20° $\theta_O^{0^\circ}$: -15°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

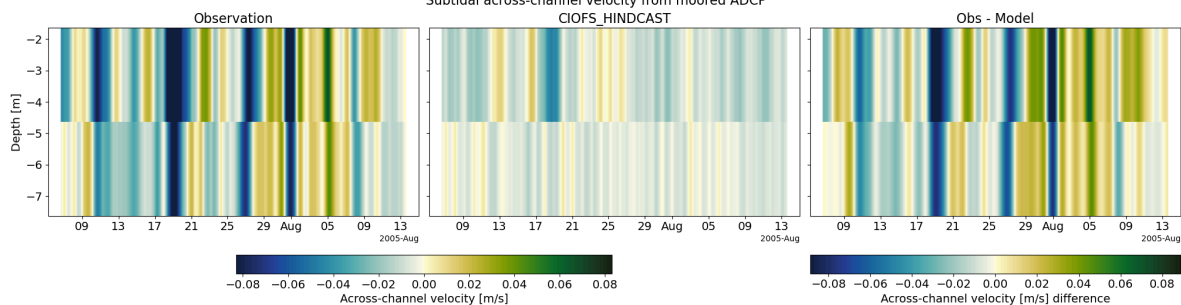
COI0512: bias: 0.0 corr: 0.5 ioa: 0.5 rmse: 0.0 ss: 0.3 dist: 0.2 std_M: 0.0 std_O: 0.0
 2005-07-05 depth: -3.14m lon: -153.42 lat: 59.57 $\theta_M^{0^\circ}$: -15° $\theta_O^{0^\circ}$: -15°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

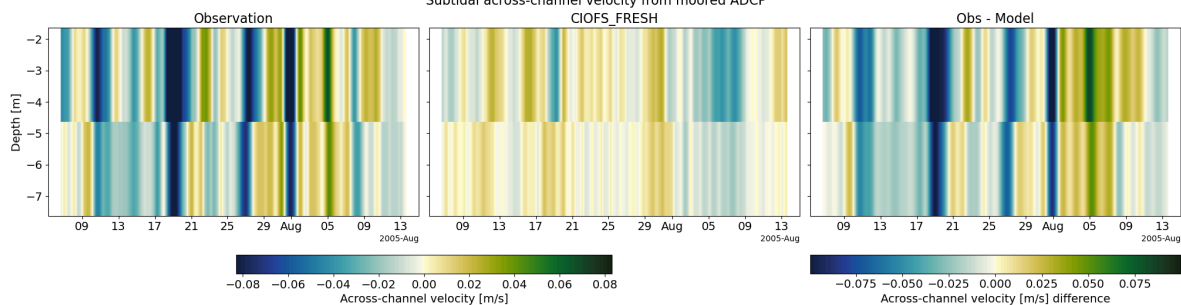
CIOFS_HINDCAST

COI0512: bias: 0.0 corr: 0.5 ioa: 0.4 rmse: 0.0 ss: 0.2 dist: 0.2 std_M: 0.0 std_O: 0.0
2005-07-05 depth: -3.14m lon: -153.42 lat: 59.57 θ_M^{24} : -20° θ_O^{24} : -15°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0512: bias: 0.0 corr: 0.2 ioa: 0.4 rmse: 0.0 ss: 0.2 dist: 0.2 std_M: 0.0 std_O: 0.0
2005-07-05 depth: -3.14m lon: -153.42 lat: 59.57 θ_M^{24} : -15° θ_O^{24} : -15°
Subtidal across-channel velocity from moored ADCP



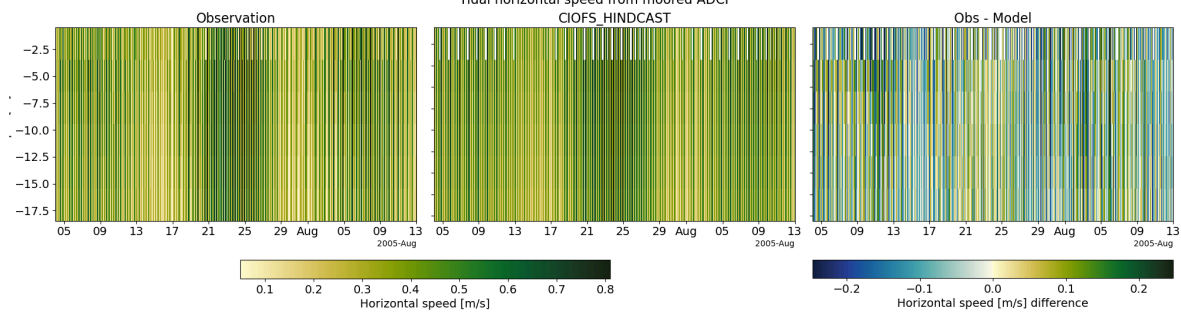
COI0513

Tidal

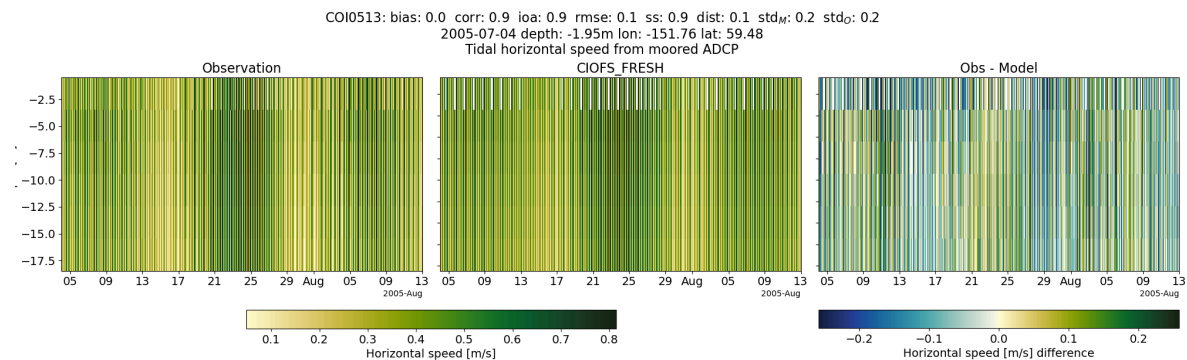
Horizontal speed

CIOFS_HINDCAST

COI0513: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.1 std_M: 0.2 std_O: 0.2
2005-07-04 depth: -1.95m lon: -151.76 lat: 59.48
Tidal horizontal speed from moored ADCP

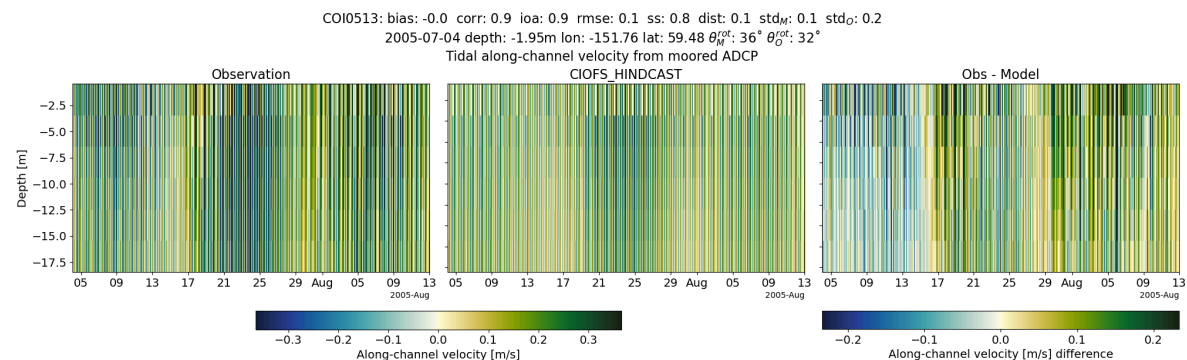


CIOFS_FRESH

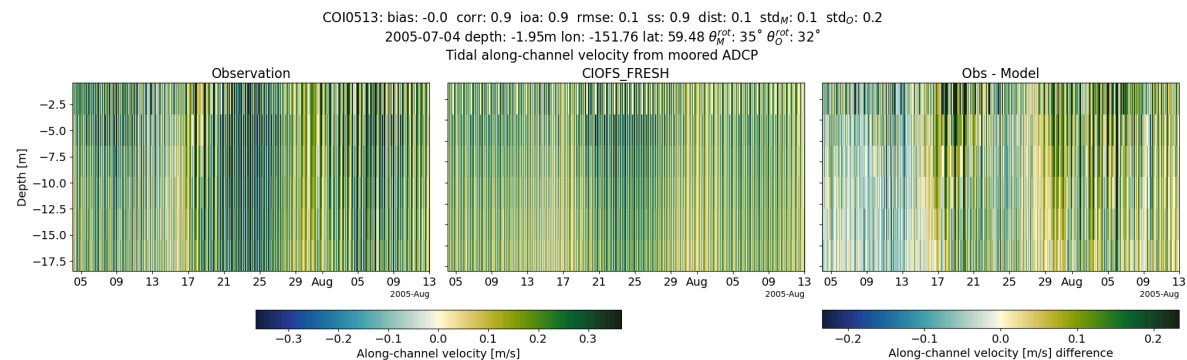


Along-channel velocity

CIOFS_HINDCAST

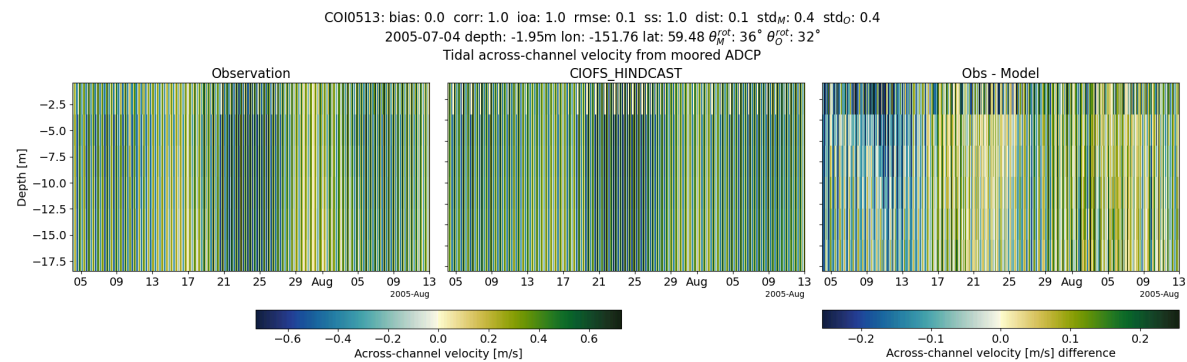


CIOFS_FRESH

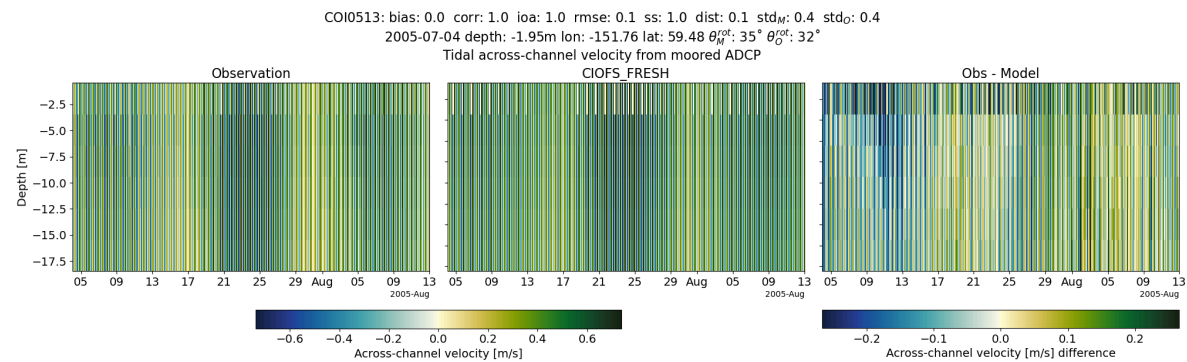


Across-channel velocity

CIOFS_HINDCAST



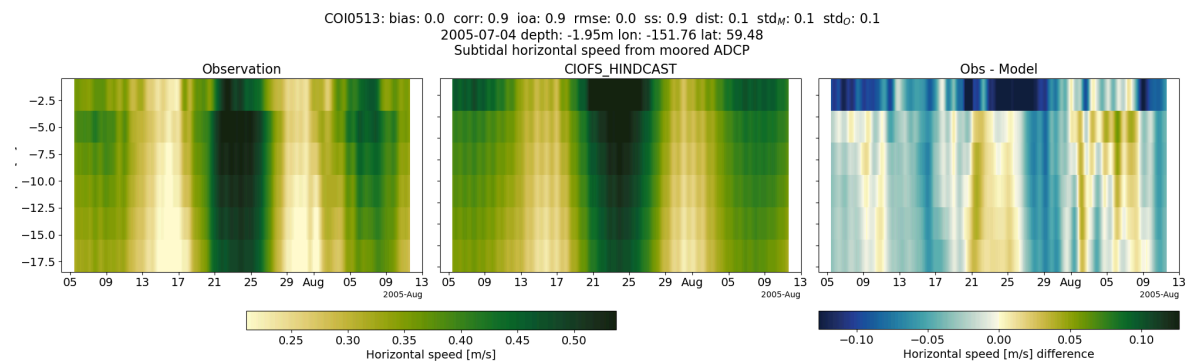
CIOFS_FRESH



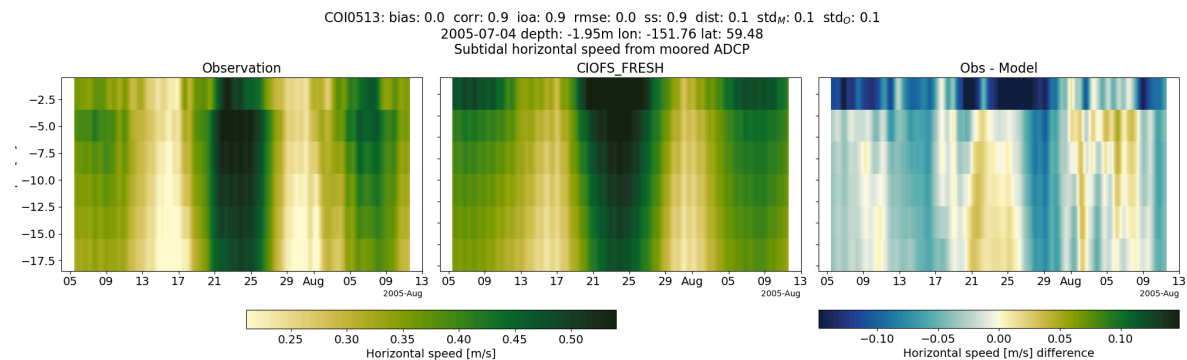
Subtidal

Horizontal speed

CIOFS_HINDCAST

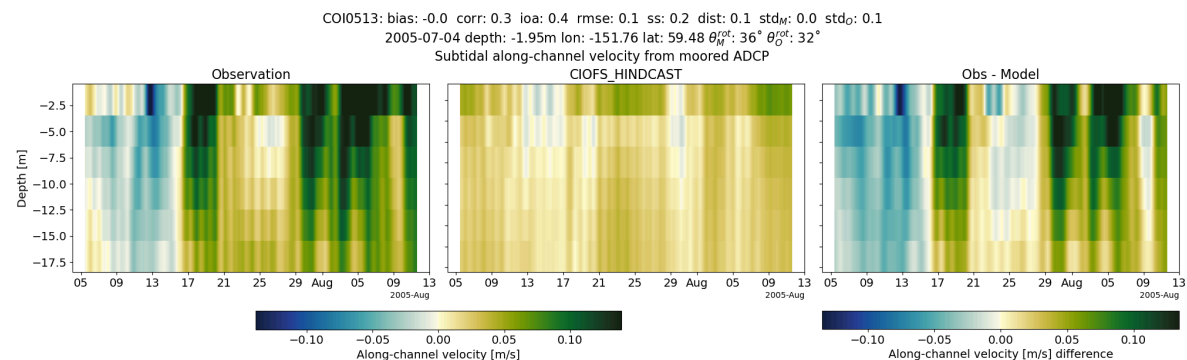


CIOFS_FRESH

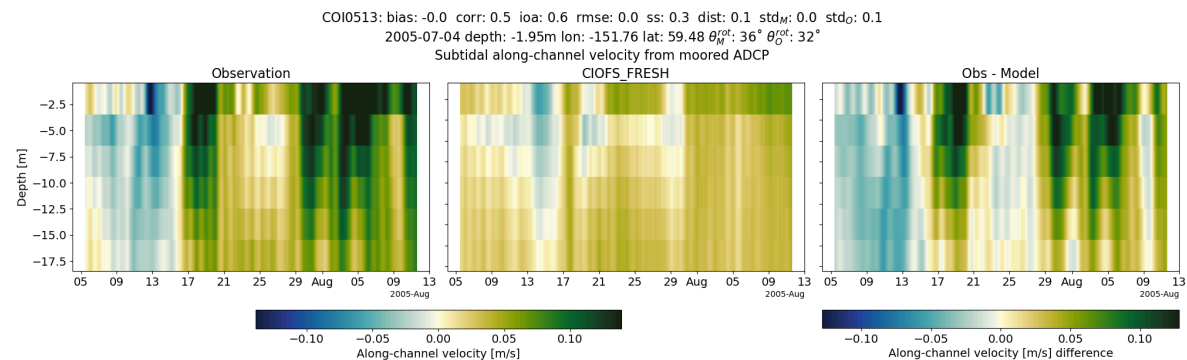


Along-channel velocity

CIOFS_HINDCAST



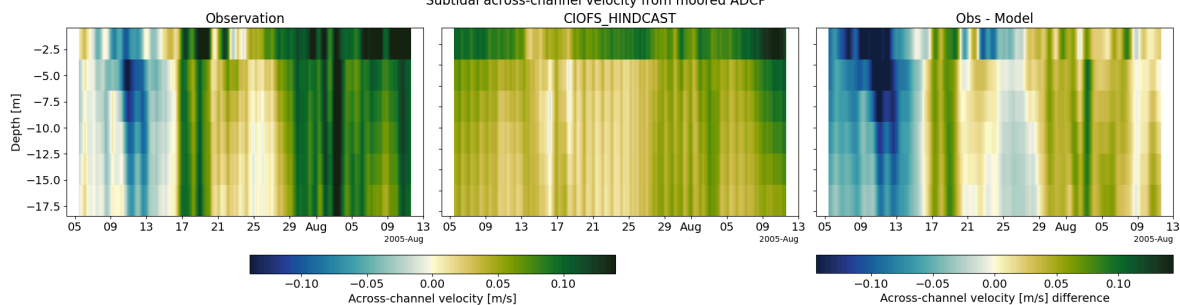
CIOFS_FRESH



Across-channel velocity

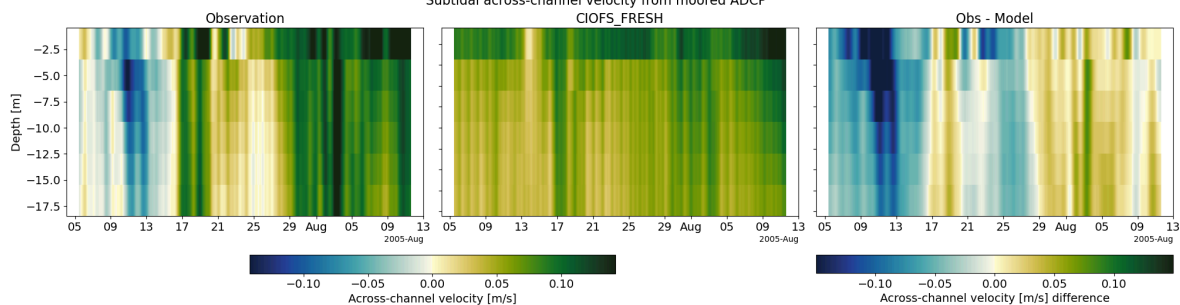
CIOFS_HINDCAST

COI0513: bias: 0.0 corr: 0.4 ioa: 0.5 rmse: 0.1 ss: 0.3 dist: 0.1 std_M: 0.0 std_O: 0.1
2005-07-04 depth: -1.95m lon: -151.76 lat: 59.48 θ_M^{act} : 36° θ_O^{act} : 32°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0513: bias: 0.0 corr: 0.6 ioa: 0.6 rmse: 0.0 ss: 0.4 dist: 0.1 std_M: 0.0 std_O: 0.1
2005-07-04 depth: -1.95m lon: -151.76 lat: 59.48 θ_M^{act} : 36° θ_O^{act} : 32°
Subtidal across-channel velocity from moored ADCP



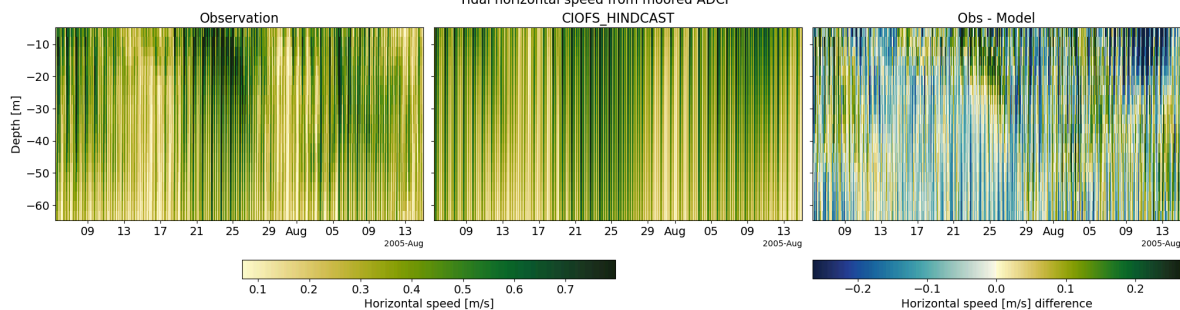
COI0514

Tidal

Horizontal speed

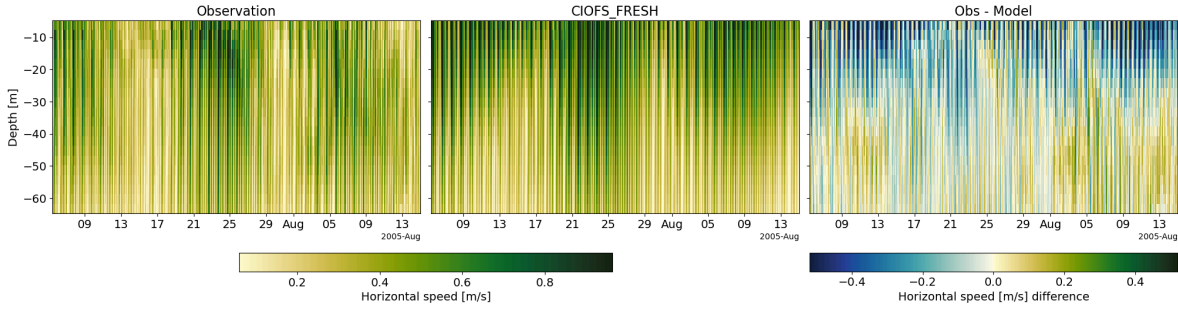
CIOFS_HINDCAST

COI0514: bias: 0.0 corr: 0.8 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.2 std_M: 0.2 std_O: 0.2
2005-07-05 depth: -6.25m lon: -152.93 lat: 59.30
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

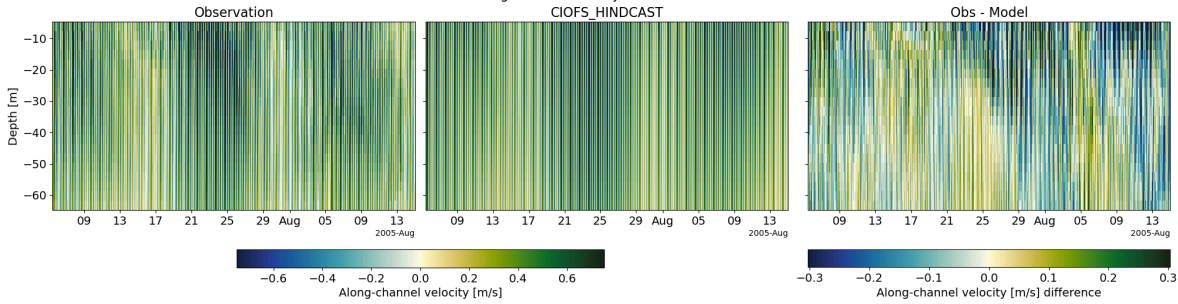
COI0514: bias: 0.1 corr: 0.7 ioa: 0.8 rmse: 0.2 ss: 0.8 dist: 0.2 std_M: 0.2 std_O: 0.2
 2005-07-05 depth: -6.25m lon: -152.93 lat: 59.30
 Tidal horizontal speed from moored ADCP



Along-channel velocity

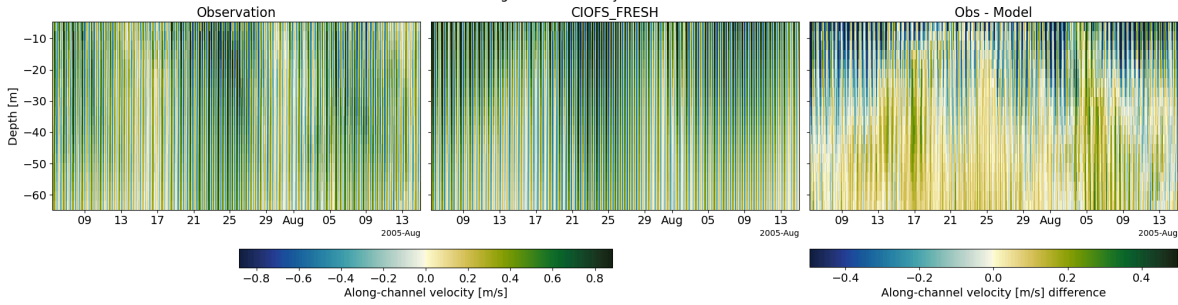
CIOFS_HINDCAST

COI0514: bias: 0.0 corr: 0.9 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.4 std_O: 0.3
 2005-07-05 depth: -6.25m lon: -152.93 lat: 59.30 θ_M^{gt} : 91° θ_O^{gt} : 90°
 Tidal along-channel velocity from moored ADCP



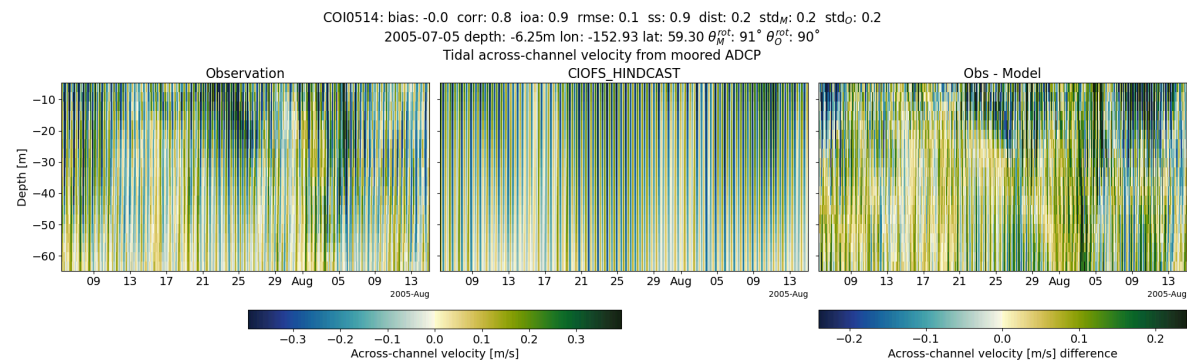
CIOFS_FRESH

COI0514: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.2 std_M: 0.4 std_O: 0.3
 2005-07-05 depth: -6.25m lon: -152.93 lat: 59.30 θ_M^{gt} : 86° θ_O^{gt} : 90°
 Tidal along-channel velocity from moored ADCP

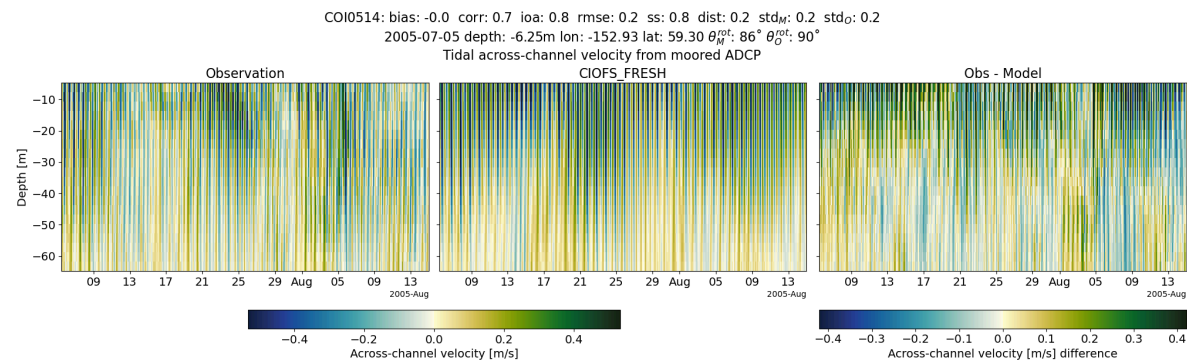


Across-channel velocity

CIOFS_HINDCAST



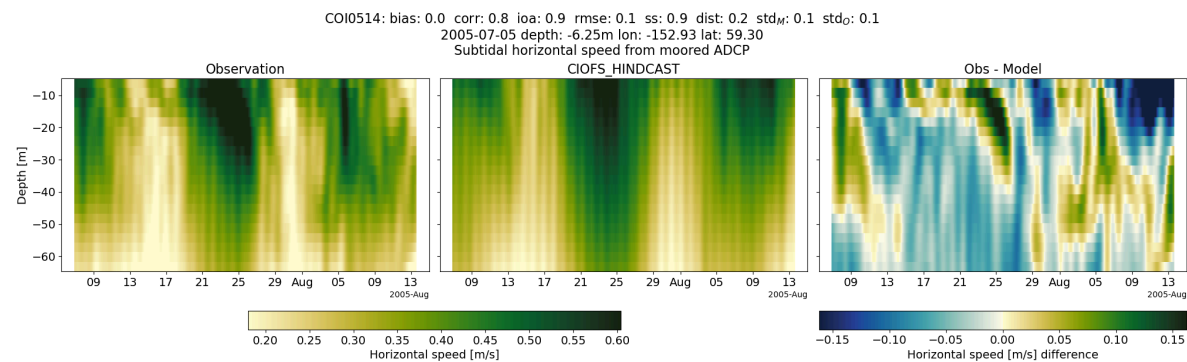
CIOFS_FRESH



Subtidal

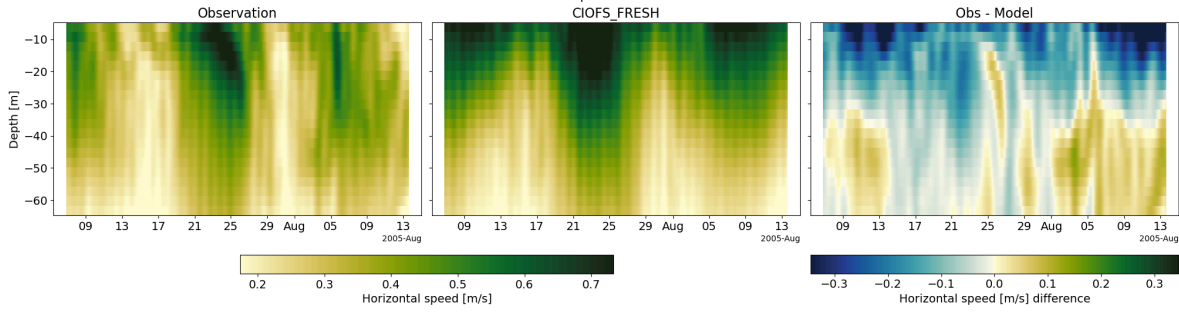
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

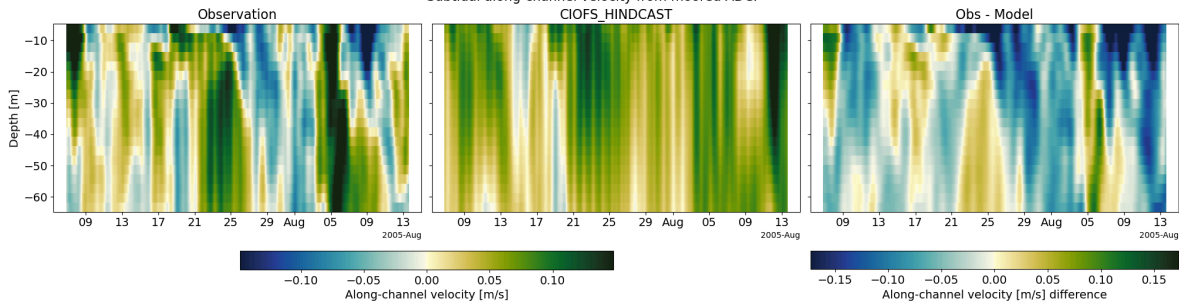
COI0514: bias: 0.1 corr: 0.8 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.2 std_M: 0.2 std_O: 0.1
 2005-07-05 depth: -6.25m lon: -152.93 lat: 59.30
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

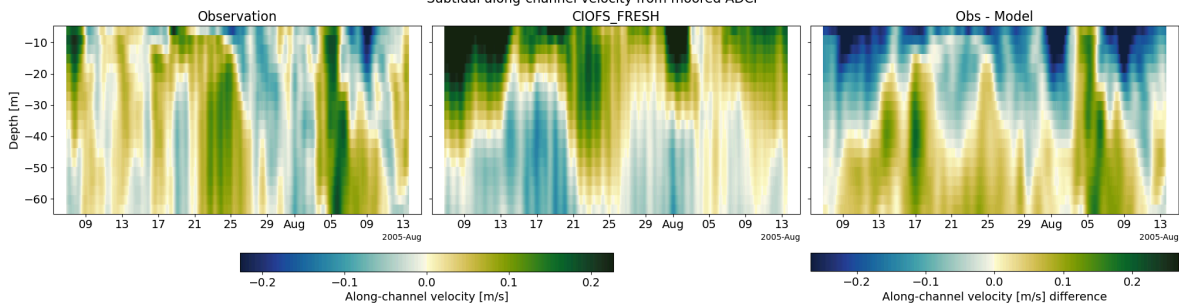
CIOFS_HINDCAST

COI0514: bias: 0.0 corr: 0.4 ioa: 0.6 rmse: 0.1 ss: 0.5 dist: 0.2 std_M: 0.0 std_O: 0.1
 2005-07-05 depth: -6.25m lon: -152.93 lat: 59.30 θ_M^{gt} : 91° θ_O^{gt} : 90°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

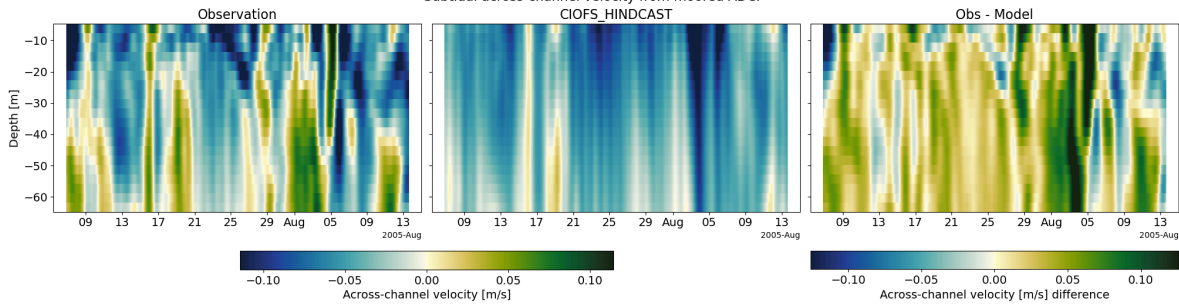
COI0514: bias: 0.0 corr: 0.1 ioa: 0.5 rmse: 0.1 ss: 0.5 dist: 0.2 std_M: 0.1 std_O: 0.1
 2005-07-05 depth: -6.25m lon: -152.93 lat: 59.30 θ_M^{gt} : 86° θ_O^{gt} : 90°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

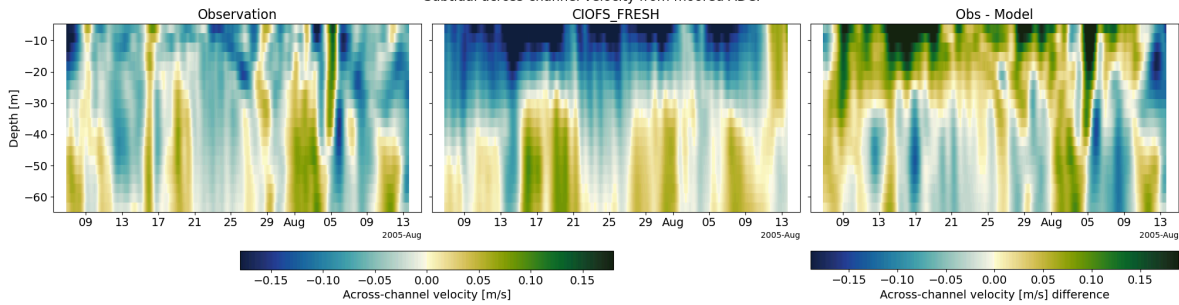
CIOFS_HINDCAST

COI0514: bias: -0.0 corr: 0.5 ioa: 0.6 rmse: 0.0 ss: 0.5 dist: 0.2 std_M: 0.0 std_O: 0.0
2005-07-05 depth: -6.25m lon: -152.93 lat: 59.30 θ_M^{rot} : 91° θ_O^{rot} : 90°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0514: bias: -0.0 corr: 0.4 ioa: 0.6 rmse: 0.1 ss: 0.6 dist: 0.2 std_M: 0.1 std_O: 0.0
2005-07-05 depth: -6.25m lon: -152.93 lat: 59.30 θ_M^{rot} : 86° θ_O^{rot} : 90°
Subtidal across-channel velocity from moored ADCP



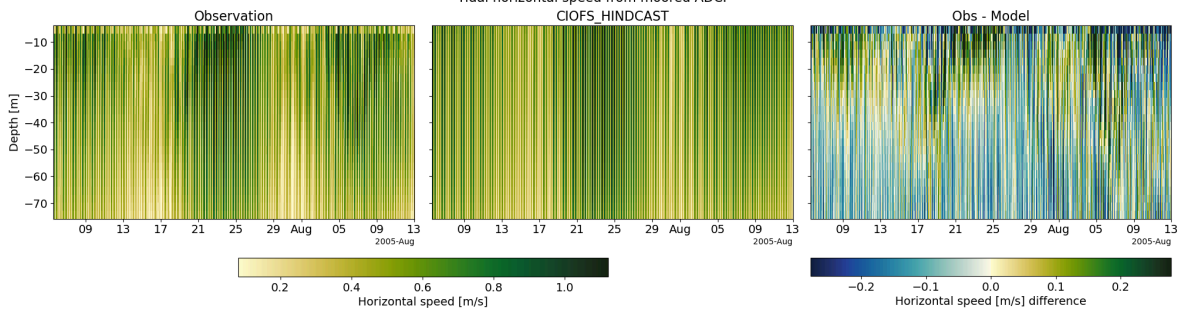
COI0515

Tidal

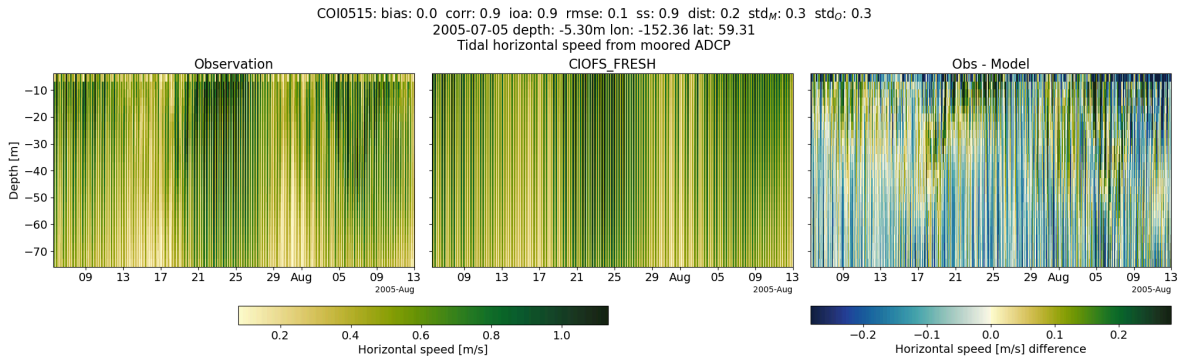
Horizontal speed

CIOFS_HINDCAST

COI0515: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.2 std_M: 0.3 std_O: 0.3
2005-07-05 depth: -5.30m lon: -152.36 lat: 59.31
Tidal horizontal speed from moored ADCP

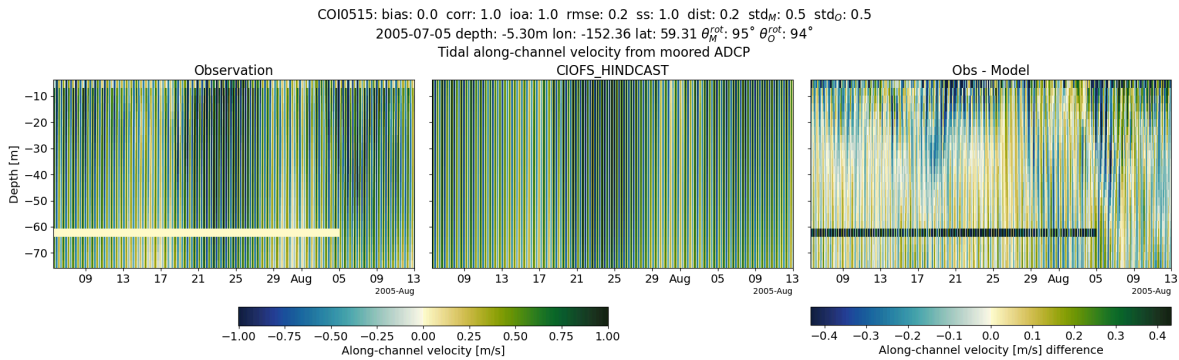


CIOFS_FRESH

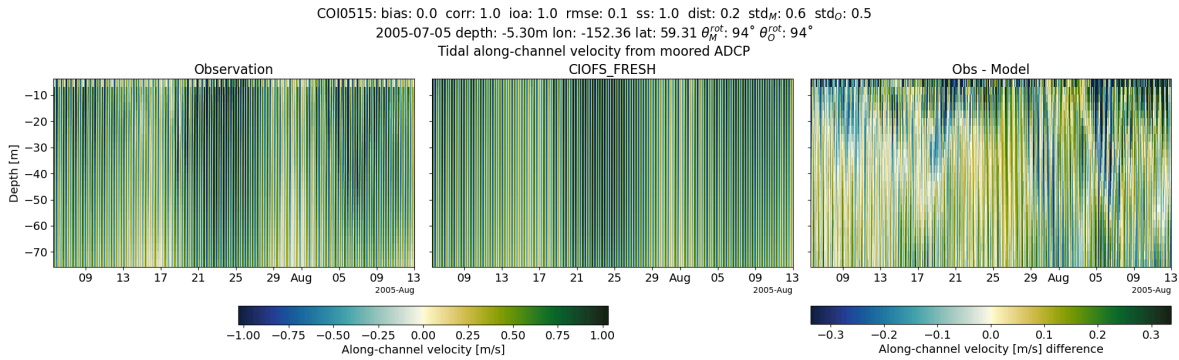


Along-channel velocity

CIOFS_HINDCAST

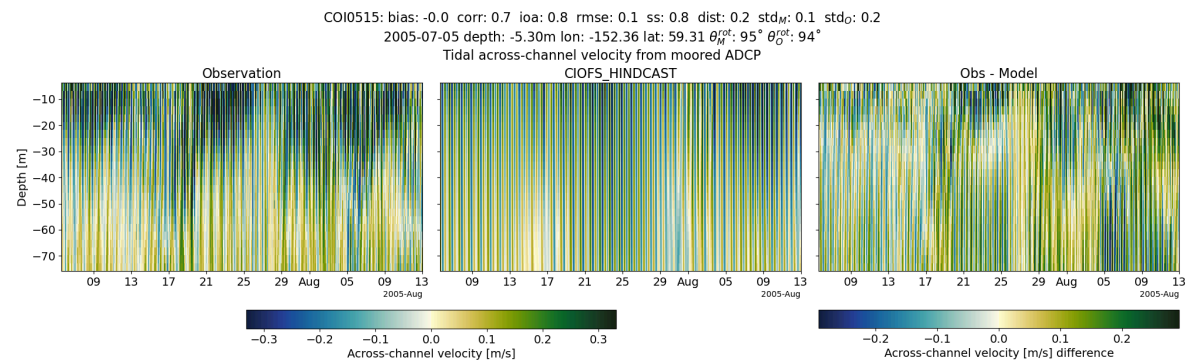


CIOFS_FRESH

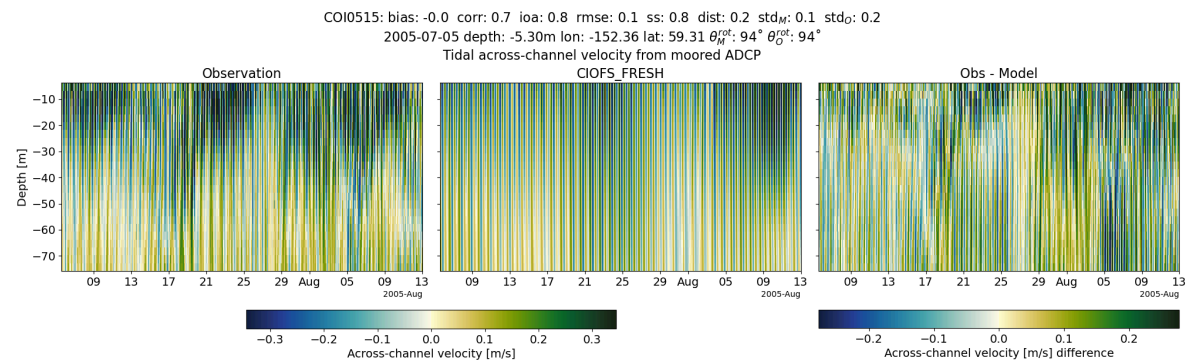


Across-channel velocity

CIOFS_HINDCAST



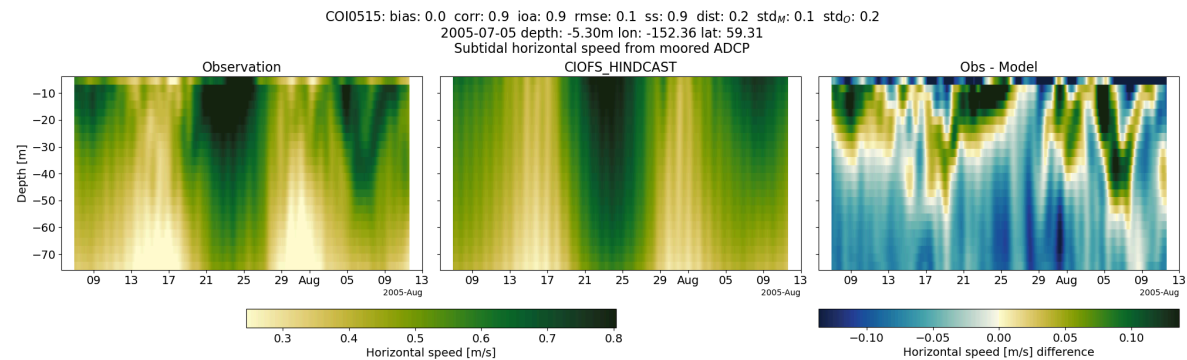
CIOFS_FRESH



Subtidal

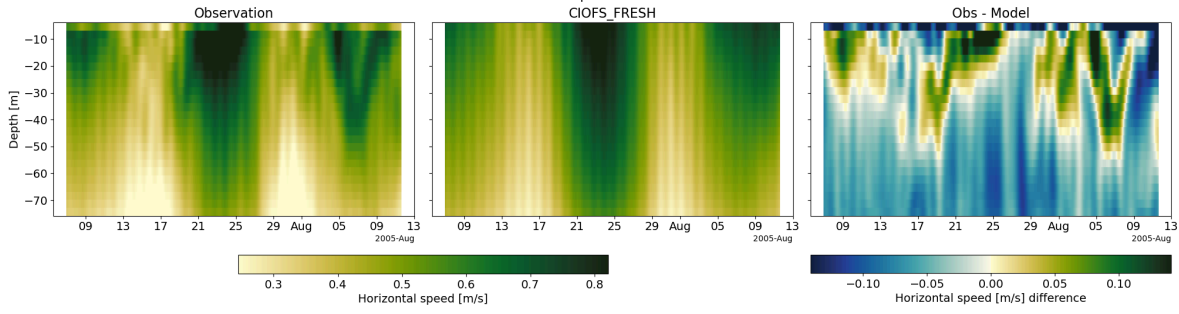
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

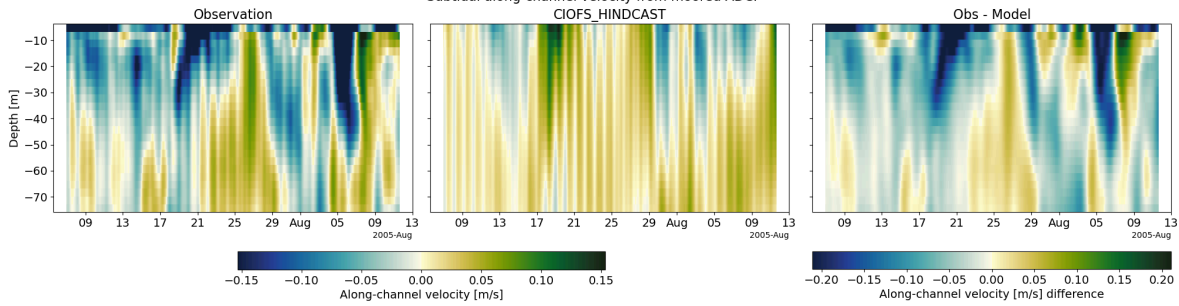
COI0515: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.2 std_M: 0.1 std_O: 0.2
 2005-07-05 depth: -5.30m lon: -152.36 lat: 59.31
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

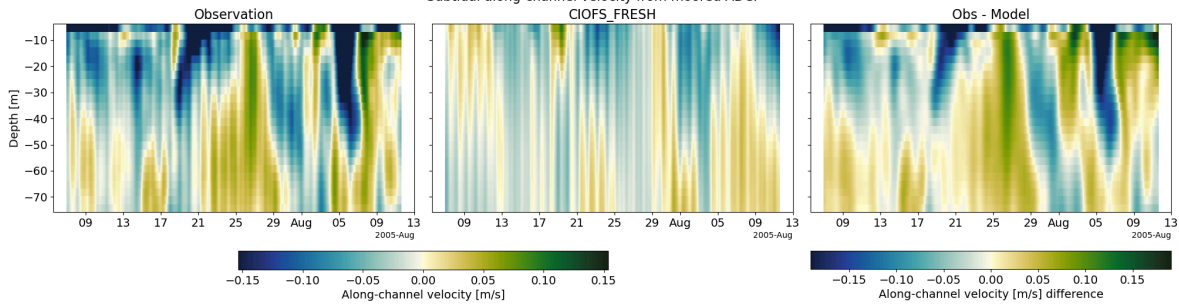
CIOFS_HINDCAST

COI0515: bias: 0.0 corr: 0.2 ioa: 0.4 rmse: 0.1 ss: 0.3 dist: 0.2 std_M: 0.0 std_O: 0.1
 2005-07-05 depth: -5.30m lon: -152.36 lat: 59.31 θ_M^{rot} : 95° θ_O^{rot} : 94°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

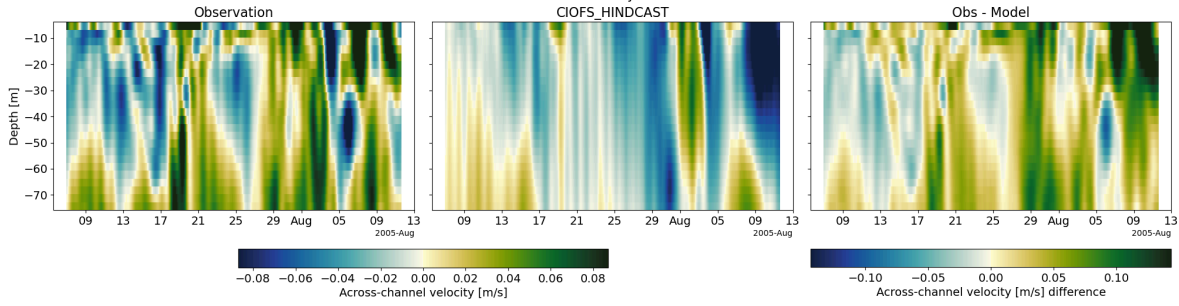
COI0515: bias: 0.0 corr: 0.2 ioa: 0.4 rmse: 0.1 ss: 0.3 dist: 0.2 std_M: 0.0 std_O: 0.1
 2005-07-05 depth: -5.30m lon: -152.36 lat: 59.31 θ_M^{rot} : 94° θ_O^{rot} : 94°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

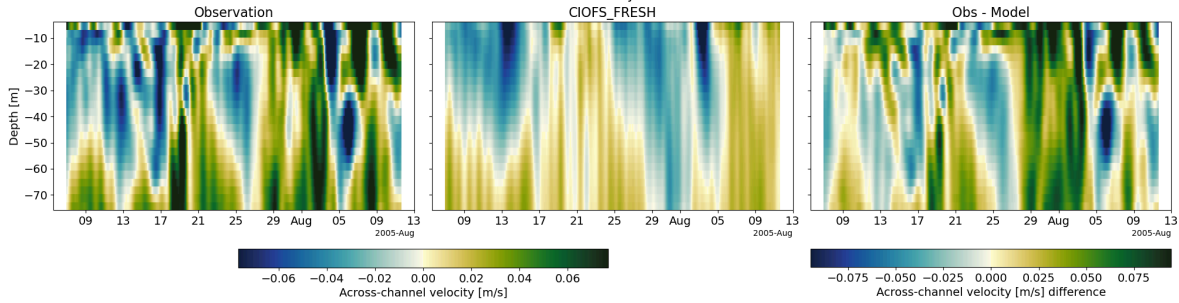
CIOFS_HINDCAST

COI0515: bias: -0.0 corr: 0.2 ioa: 0.5 rmse: 0.0 ss: 0.5 dist: 0.2 std_M: 0.0 std_O: 0.0
2005-07-05 depth: -5.30m lon: -152.36 lat: 59.31 θ_M^{rot} : 95° θ_O^{rot} : 94°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0515: bias: -0.0 corr: 0.3 ioa: 0.5 rmse: 0.0 ss: 0.5 dist: 0.2 std_M: 0.0 std_O: 0.0
2005-07-05 depth: -5.30m lon: -152.36 lat: 59.31 θ_M^{rot} : 94° θ_O^{rot} : 94°
Subtidal across-channel velocity from moored ADCP



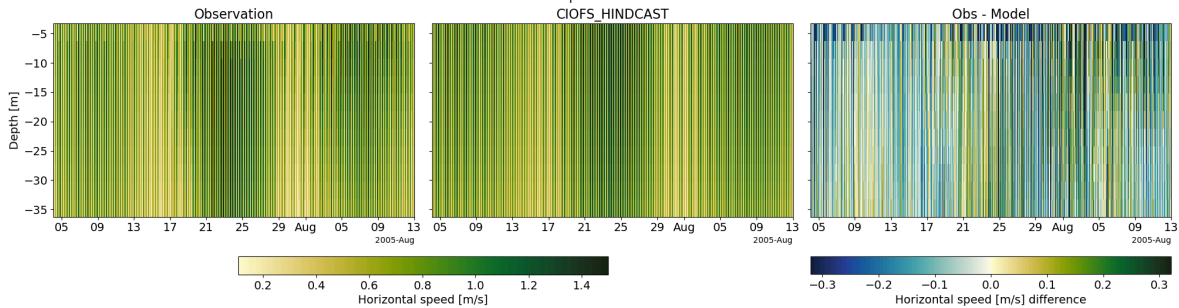
COI0516

Tidal

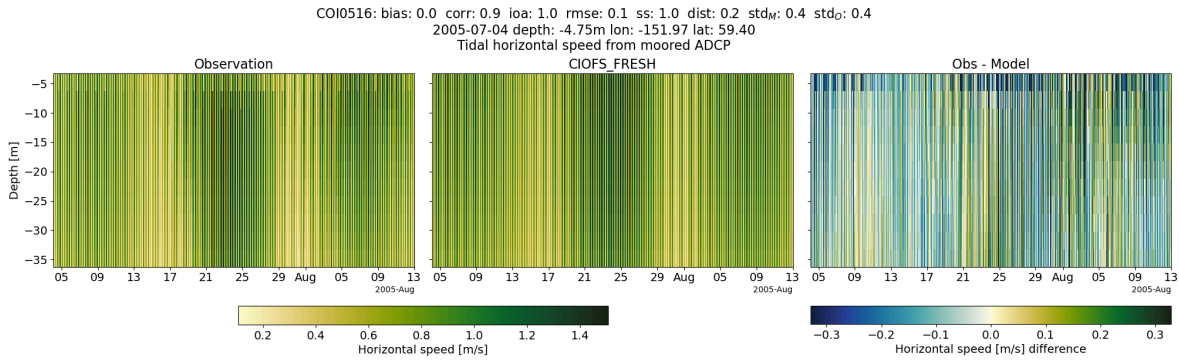
Horizontal speed

CIOFS_HINDCAST

COI0516: bias: 0.0 corr: 0.9 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.4 std_O: 0.4
2005-07-04 depth: -4.75m lon: -151.97 lat: 59.40
Tidal horizontal speed from moored ADCP

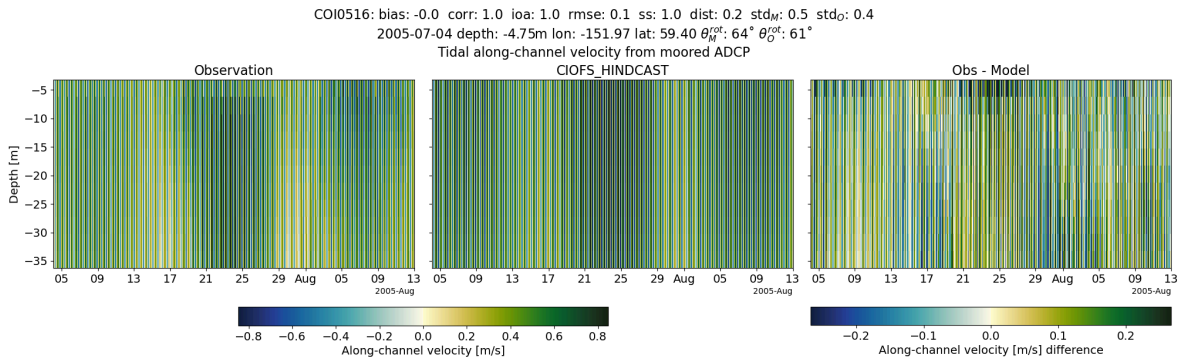


CIOFS_FRESH

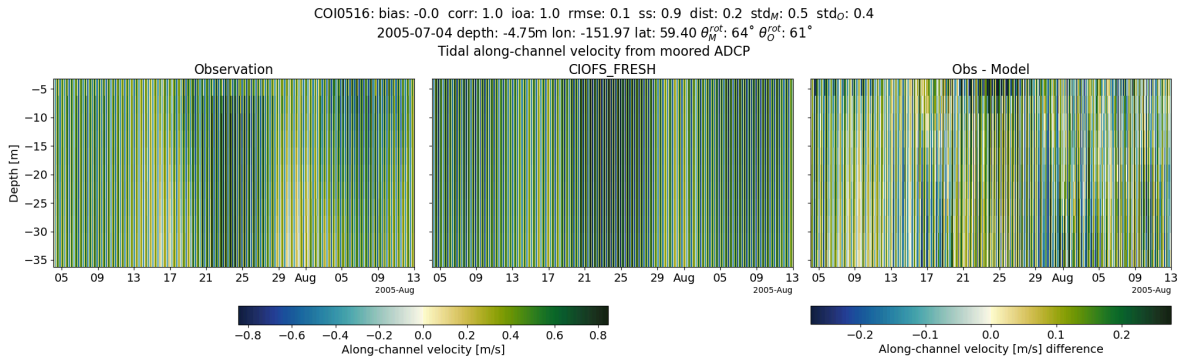


Along-channel velocity

CIOFS_HINDCAST

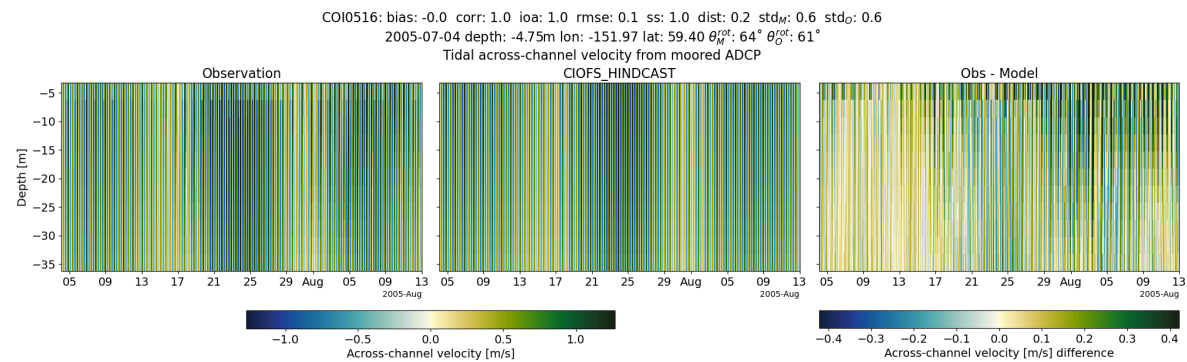


CIOFS_FRESH

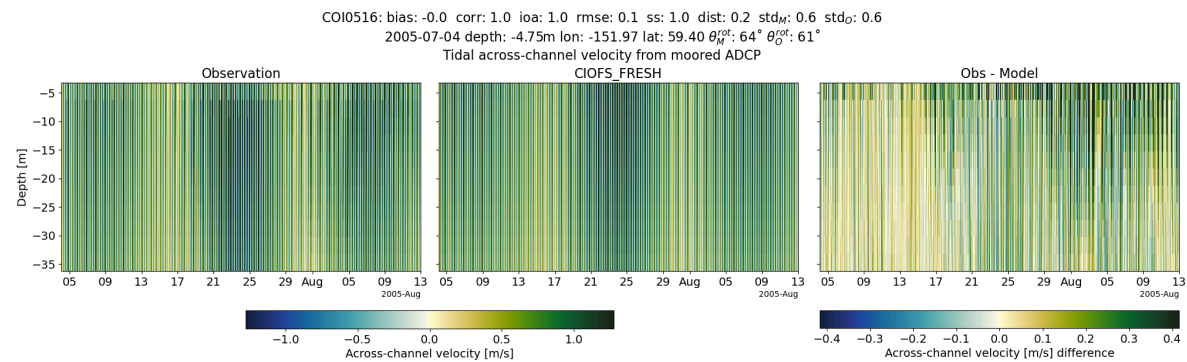


Across-channel velocity

CIOFS_HINDCAST



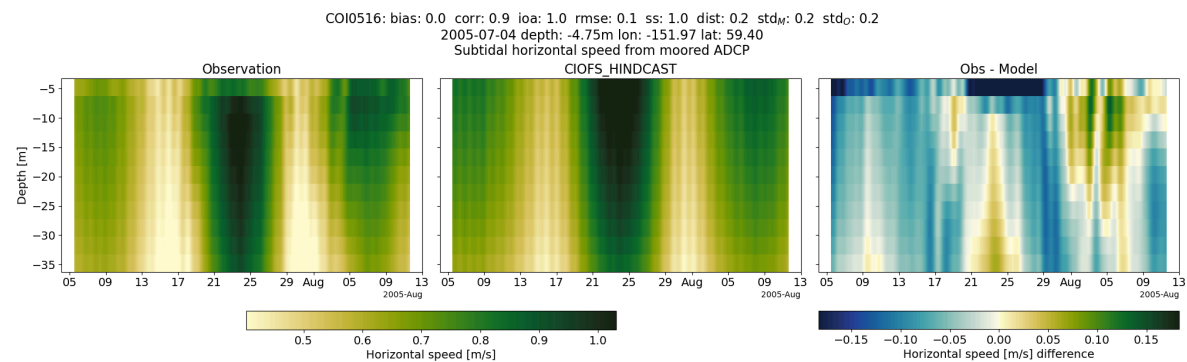
CIOFS_FRESH



Subtidal

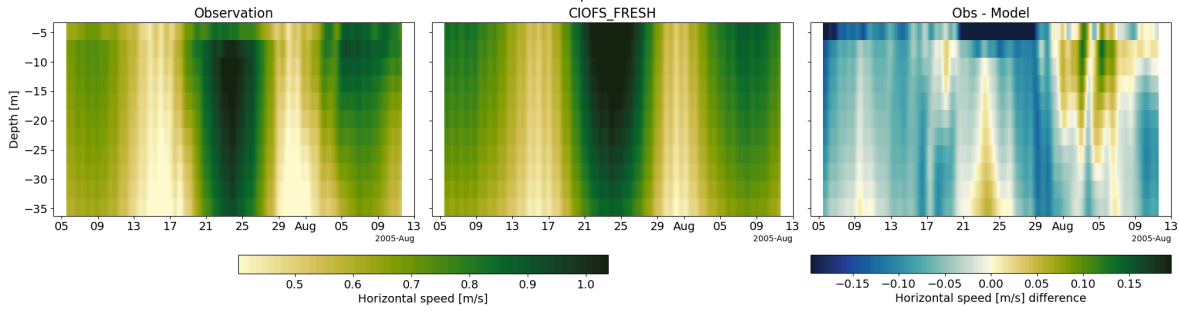
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

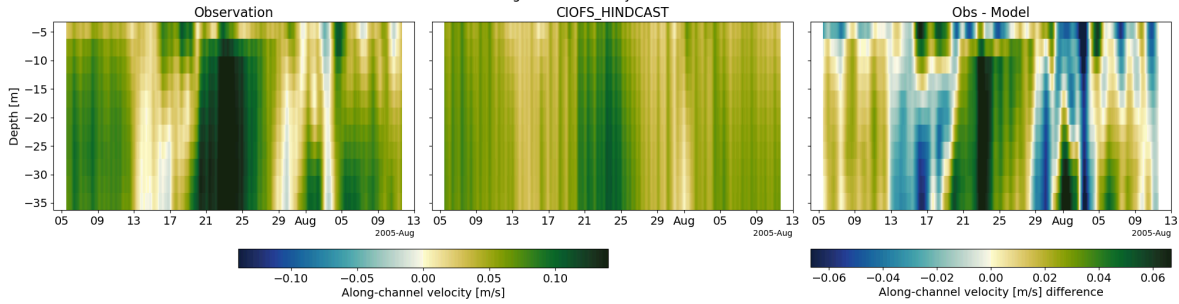
COI0516: bias: 0.0 corr: 0.9 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.2 std_O: 0.2
 2005-07-04 depth: -4.75m lon: -151.97 lat: 59.40
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

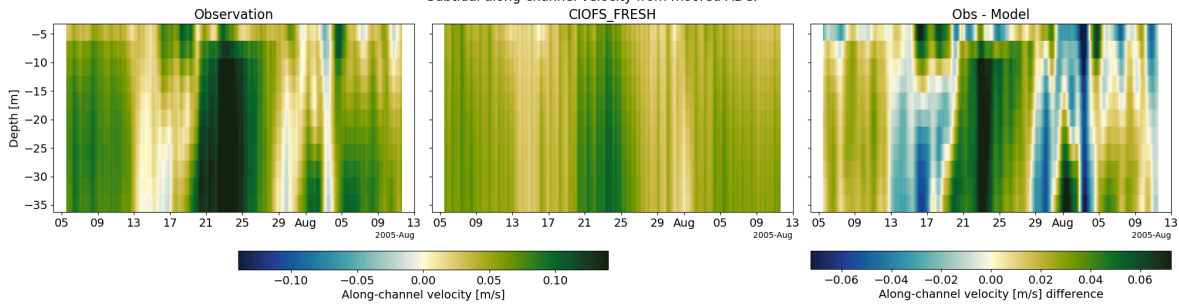
CIOFS_HINDCAST

COI0516: bias: -0.0 corr: 0.8 ioa: 0.8 rmse: 0.0 ss: 0.5 dist: 0.2 std_M: 0.0 std_O: 0.0
 2005-07-04 depth: -4.75m lon: -151.97 lat: 59.40 θ_M^{rot} : 64° θ_O^{rot} : 61°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

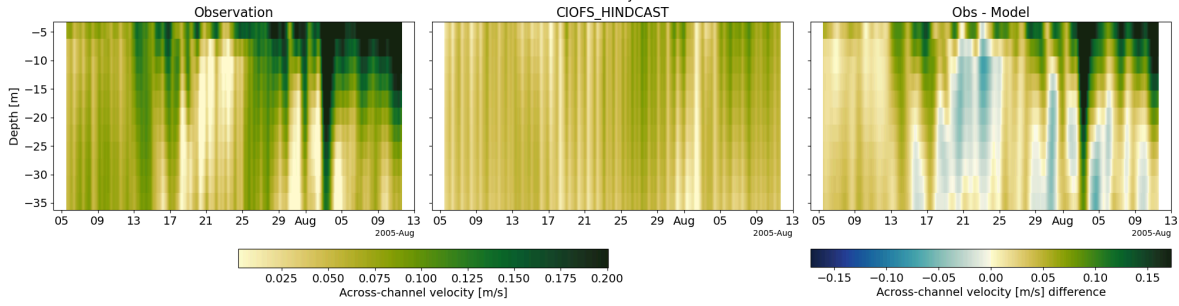
COI0516: bias: -0.0 corr: 0.8 ioa: 0.7 rmse: 0.0 ss: 0.5 dist: 0.2 std_M: 0.0 std_O: 0.0
 2005-07-04 depth: -4.75m lon: -151.97 lat: 59.40 θ_M^{rot} : 64° θ_O^{rot} : 61°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

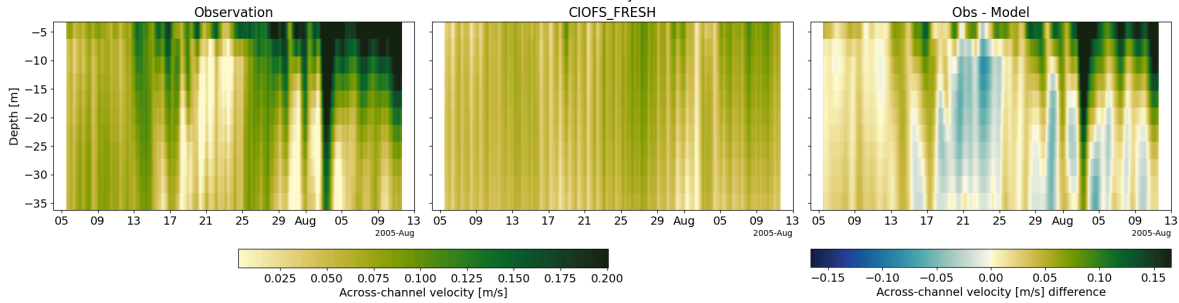
CIOFS_HINDCAST

COI0516: bias: -0.0 corr: 0.5 ioa: 0.5 rmse: 0.0 ss: 0.2 dist: 0.2 std_M: 0.0 std_O: 0.1
2005-07-04 depth: -4.75m lon: -151.97 lat: 59.40 θ_M^{rot} : 64° θ_O^{rot} : 61°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0516: bias: -0.0 corr: 0.5 ioa: 0.5 rmse: 0.0 ss: 0.2 dist: 0.2 std_M: 0.0 std_O: 0.1
2005-07-04 depth: -4.75m lon: -151.97 lat: 59.40 θ_M^{rot} : 64° θ_O^{rot} : 61°
Subtidal across-channel velocity from moored ADCP



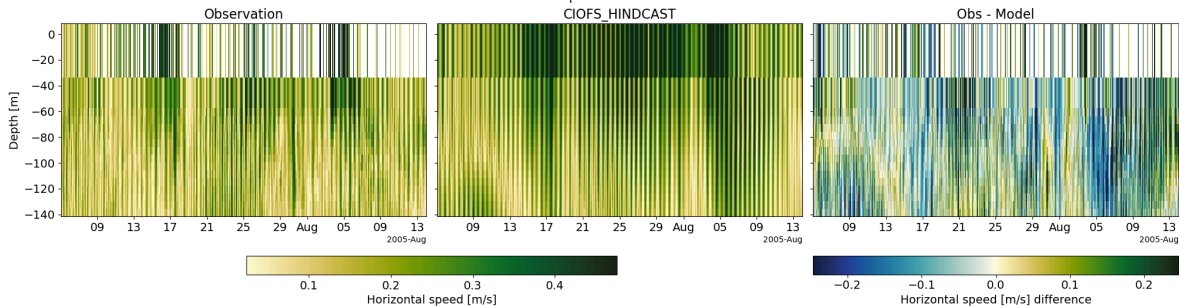
COI0517

Tidal

Horizontal speed

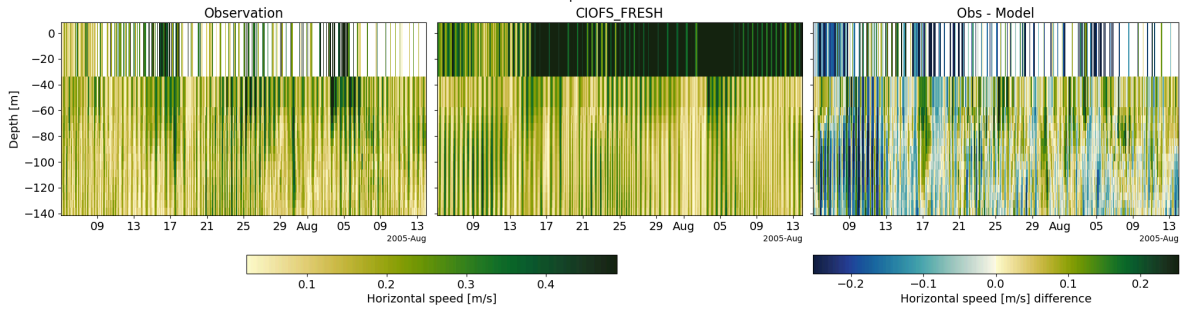
CIOFS_HINDCAST

COI0517: bias: 0.0 corr: 0.5 ioa: 0.7 rmse: 0.1 ss: 0.7 dist: 0.3 std_M: 0.1 std_O: 0.1
2005-07-05 depth: -12.71m lon: -153.18 lat: 58.89
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

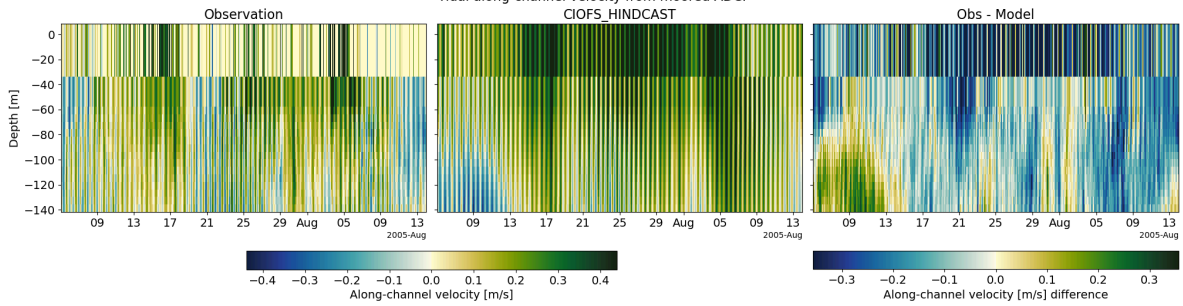
COI0517: bias: 0.0 corr: 0.5 ioa: 0.7 rmse: 0.1 ss: 0.7 dist: 0.3 std_M: 0.1 std_O: 0.1
 2005-07-05 depth: -12.71m lon: -153.18 lat: 58.89
 Tidal horizontal speed from moored ADCP



Along-channel velocity

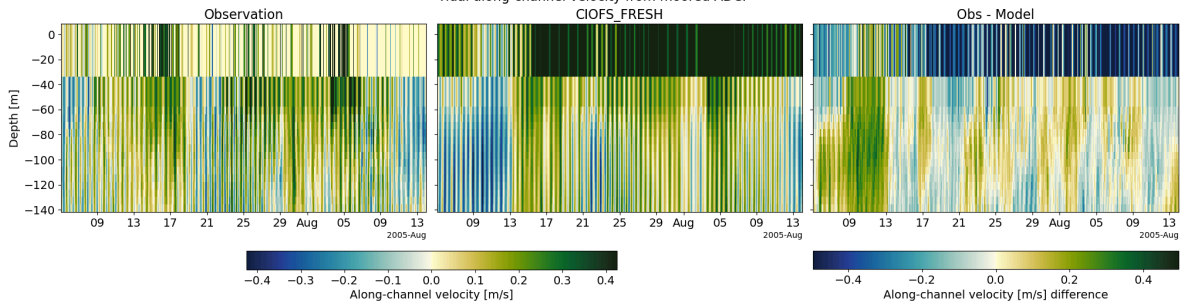
CIOFS_HINDCAST

COI0517: bias: 0.1 corr: 0.7 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.3 std_M: 0.2 std_O: 0.1
 2005-07-05 depth: -12.71m lon: -153.18 lat: 58.89 θ_M^{rot} : 99° θ_O^{rot} : 103°
 Tidal along-channel velocity from moored ADCP



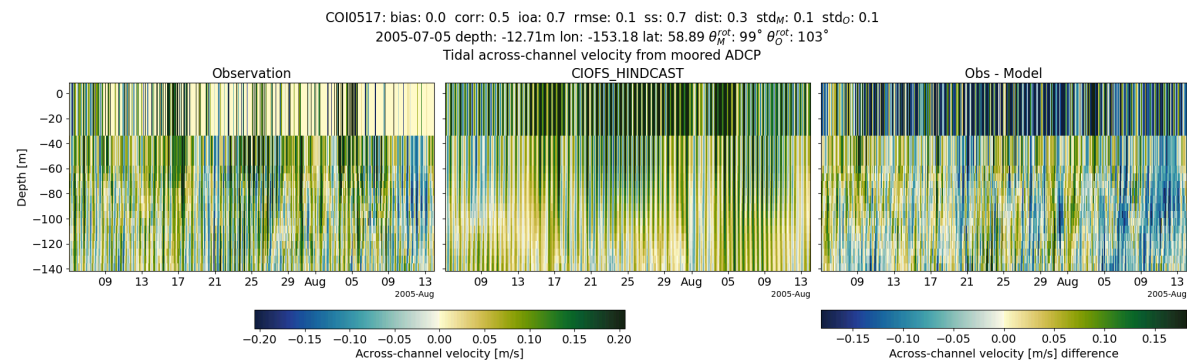
CIOFS_FRESH

COI0517: bias: -0.0 corr: 0.6 ioa: 0.7 rmse: 0.2 ss: 0.7 dist: 0.3 std_M: 0.2 std_O: 0.1
 2005-07-05 depth: -12.71m lon: -153.18 lat: 58.89 θ_M^{rot} : 100° θ_O^{rot} : 103°
 Tidal along-channel velocity from moored ADCP

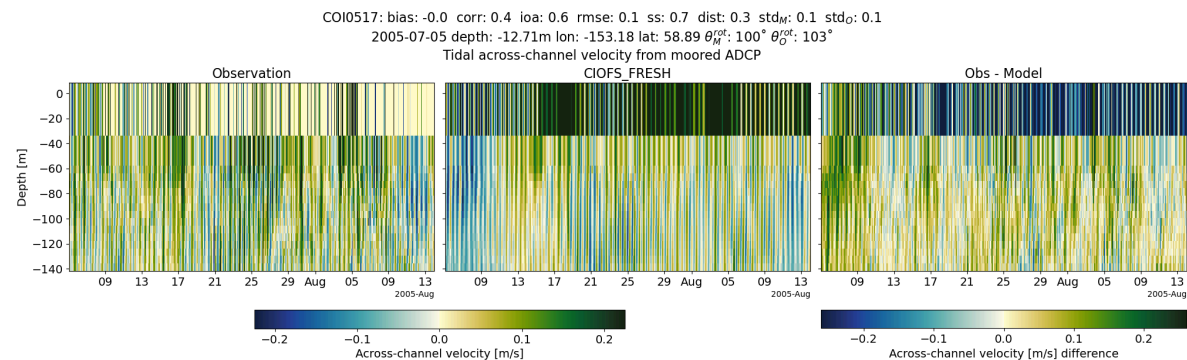


Across-channel velocity

CIOFS_HINDCAST



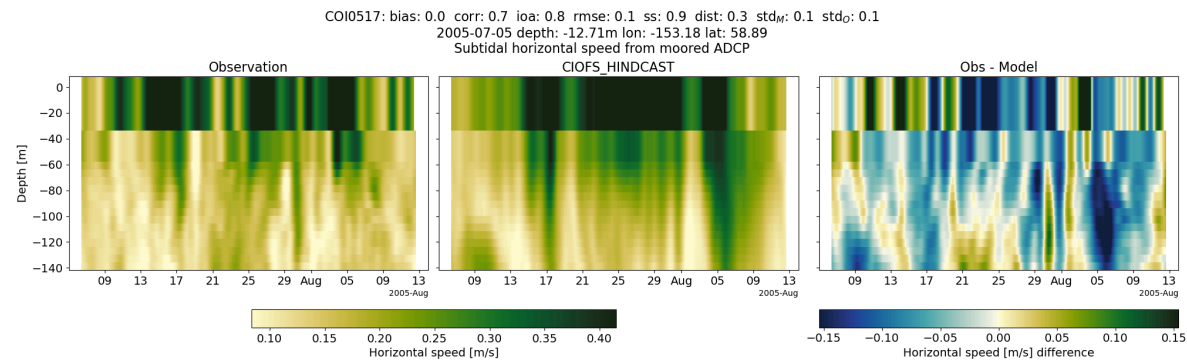
CIOFS_FRESH



Subtidal

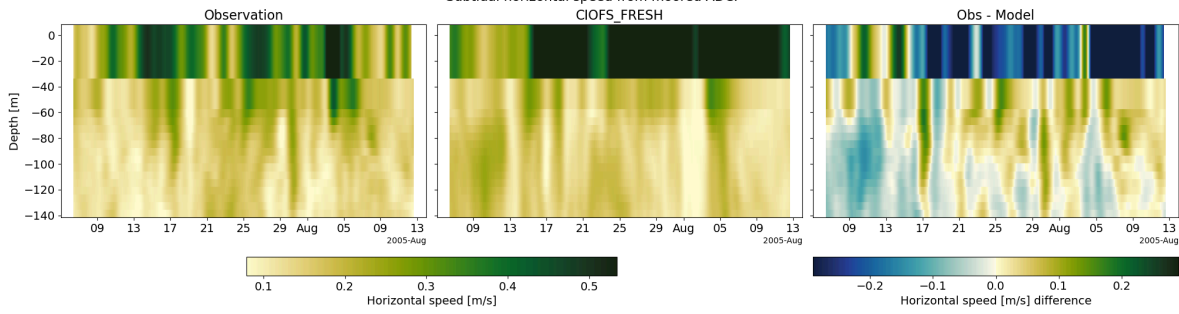
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

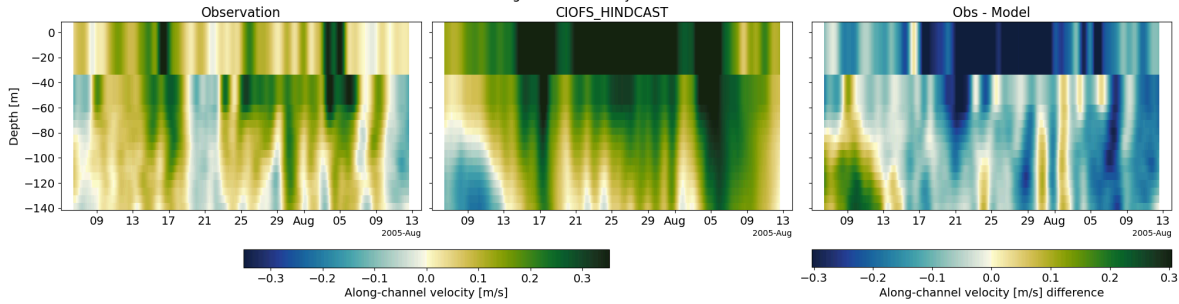
COI0517: bias: 0.0 corr: 0.6 ioa: 0.8 rmse: 0.1 ss: 0.7 dist: 0.3 std_M: 0.1 std_O: 0.1
 2005-07-05 depth: -12.71m lon: -153.18 lat: 58.89
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

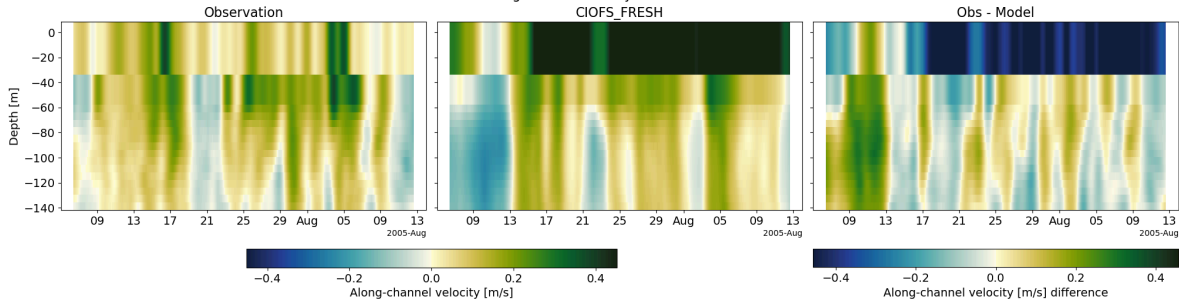
CIOFS_HINDCAST

COI0517: bias: 0.1 corr: 0.5 ioa: 0.6 rmse: 0.1 ss: 0.7 dist: 0.3 std_M: 0.1 std_O: 0.1
 2005-07-05 depth: -12.71m lon: -153.18 lat: 58.89 θ_M^{rot} : 99° θ_O^{rot} : 103°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

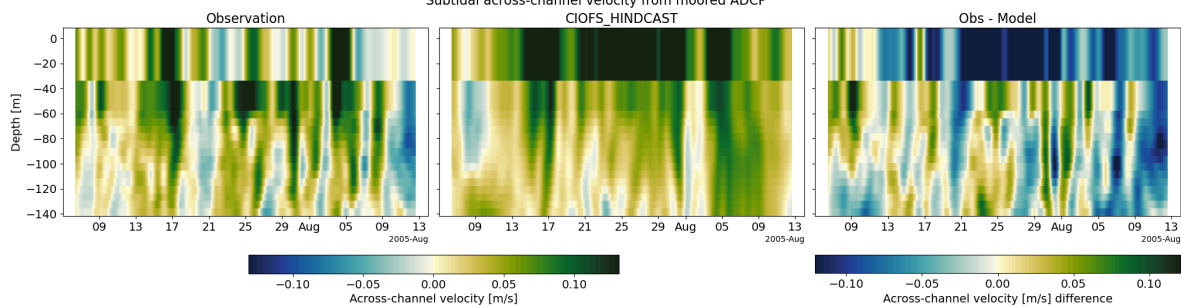
COI0517: bias: -0.0 corr: 0.4 ioa: 0.6 rmse: 0.1 ss: 0.5 dist: 0.3 std_M: 0.2 std_O: 0.1
 2005-07-05 depth: -12.71m lon: -153.18 lat: 58.89 θ_M^{rot} : 100° θ_O^{rot} : 103°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

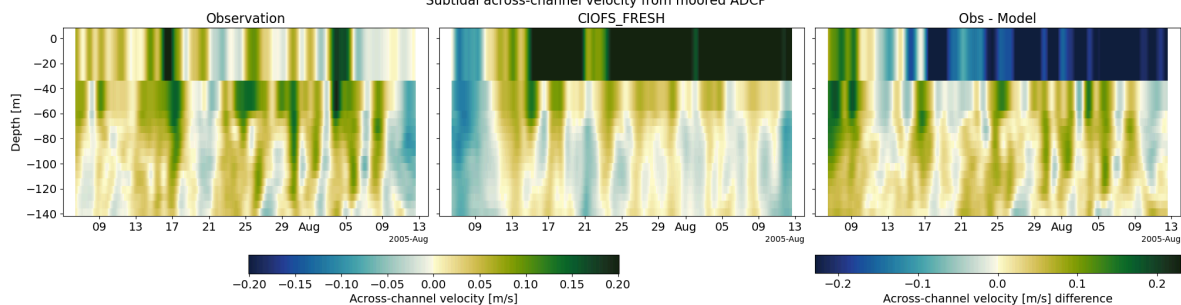
CIOFS_HINDCAST

COI0517: bias: 0.0 corr: 0.3 ioa: 0.6 rmse: 0.0 ss: 0.7 dist: 0.3 std_M: 0.0 std_O: 0.0
2005-07-05 depth: -12.71m lon: -153.18 lat: 58.89 θ_M^{ref} : 99° θ_O^{ref} : 103°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0517: bias: -0.0 corr: 0.3 ioa: 0.5 rmse: 0.1 ss: 0.5 dist: 0.3 std_M: 0.1 std_O: 0.0
2005-07-05 depth: -12.71m lon: -153.18 lat: 58.89 θ_M^{ref} : 100° θ_O^{ref} : 103°
Subtidal across-channel velocity from moored ADCP



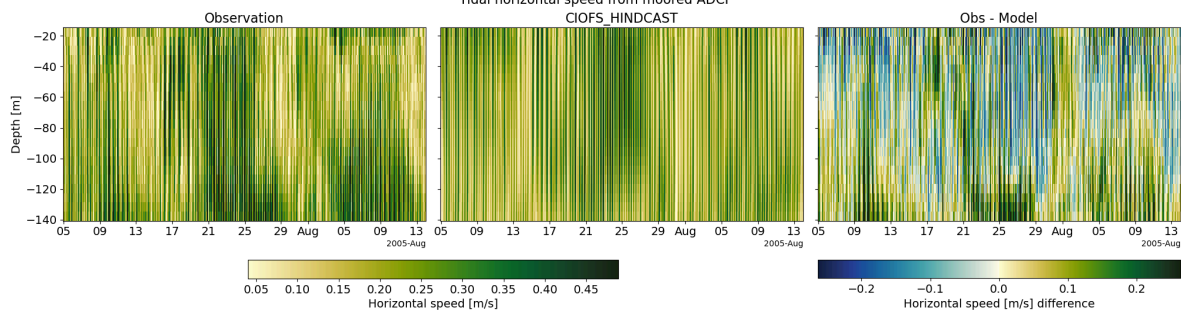
COI0518

Tidal

Horizontal speed

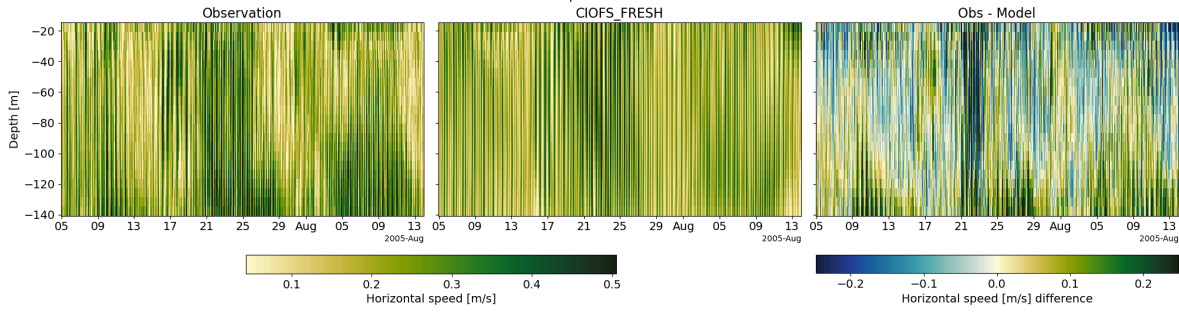
CIOFS_HINDCAST

COI0518: bias: -0.0 corr: 0.5 ioa: 0.7 rmse: 0.1 ss: 0.7 dist: 0.5 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -17.59m lon: -152.73 lat: 58.98
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

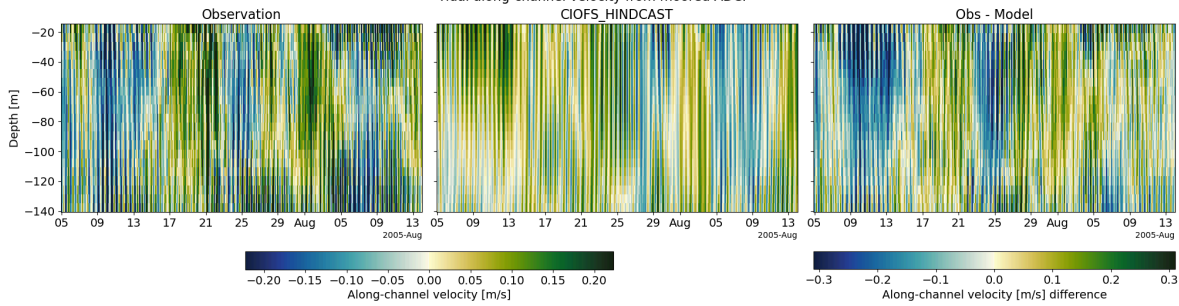
COI0518: bias: -0.0 corr: 0.6 loa: 0.7 rmse: 0.1 ss: 0.8 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -17.59m lon: -152.73 lat: 58.98
 Tidal horizontal speed from moored ADCP



Along-channel velocity

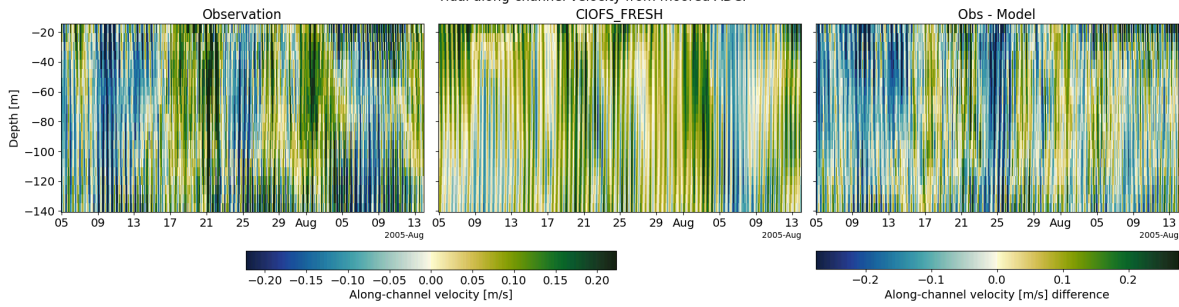
CIOFS_HINDCAST

COI0518: bias: 0.0 corr: 0.2 loa: 0.5 rmse: 0.1 ss: 0.5 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -17.59m lon: -152.73 lat: 58.98 θ_M^{rot} : 133° θ_O^{rot} : 132°
 Tidal along-channel velocity from moored ADCP



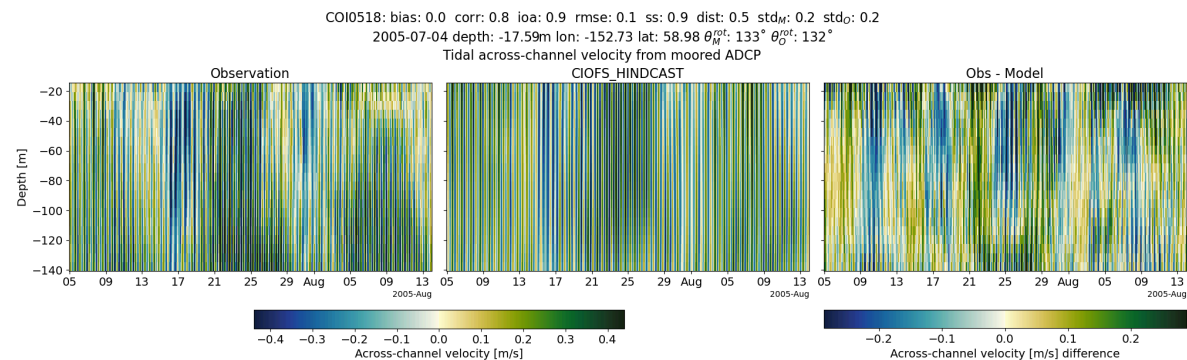
CIOFS_FRESH

COI0518: bias: 0.0 corr: 0.4 loa: 0.6 rmse: 0.1 ss: 0.6 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -17.59m lon: -152.73 lat: 58.98 θ_M^{rot} : 133° θ_O^{rot} : 132°
 Tidal along-channel velocity from moored ADCP

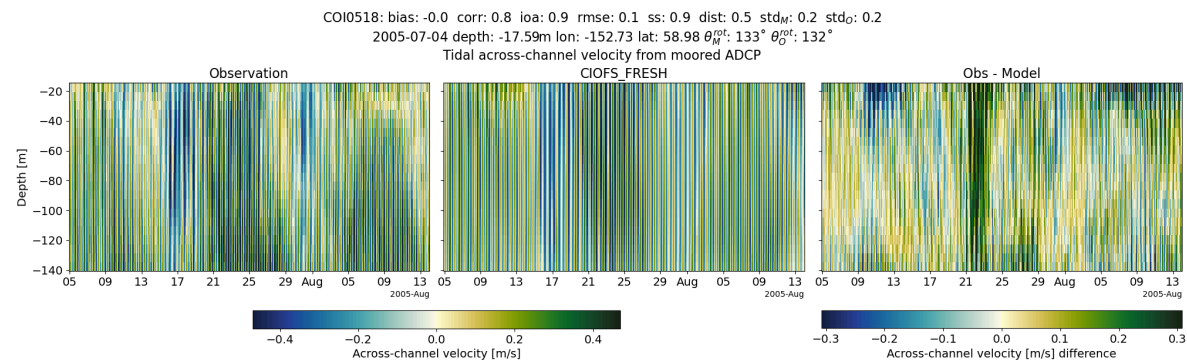


Across-channel velocity

CIOFS_HINDCAST



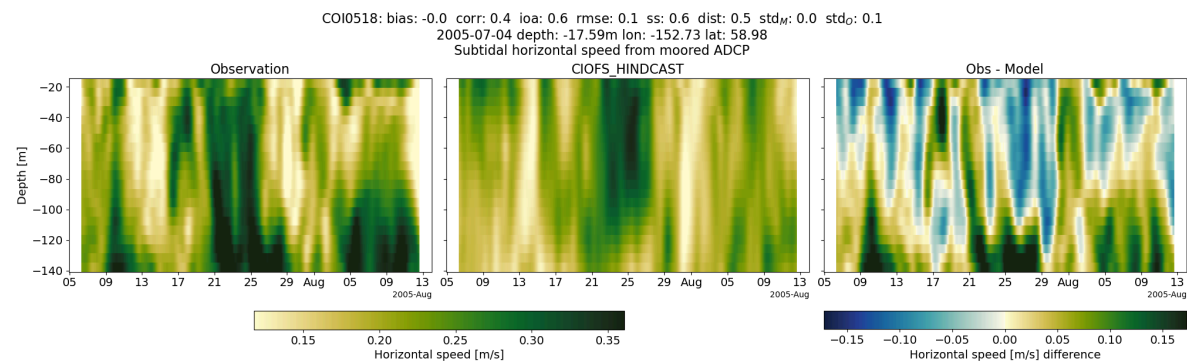
CIOFS_FRESH



Subtidal

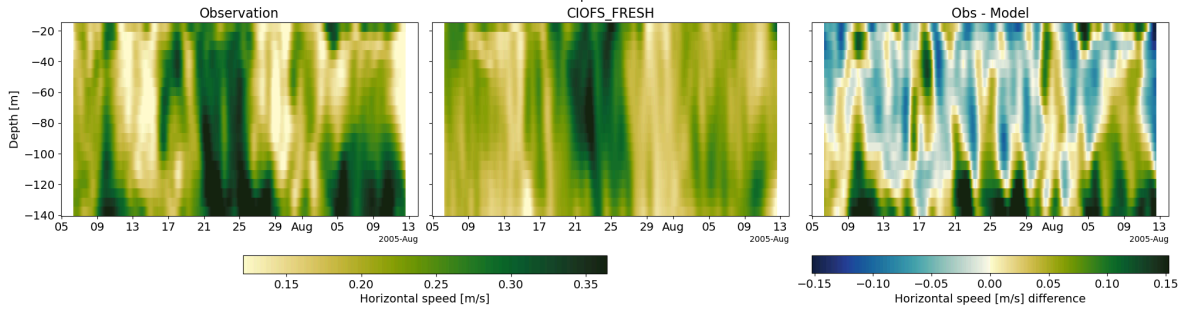
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

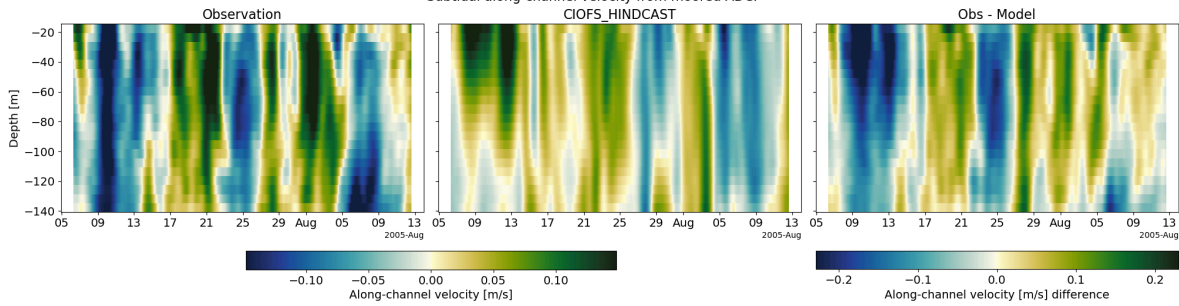
COI0518: bias: -0.0 corr: 0.6 ioa: 0.7 rmse: 0.1 ss: 0.7 dist: 0.5 std_M: 0.0 std_O: 0.1
 2005-07-04 depth: -17.59m lon: -152.73 lat: 58.98
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

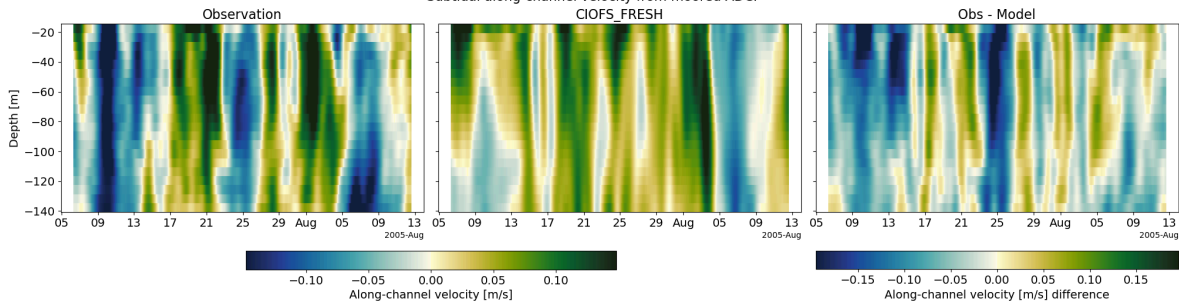
CIOFS_HINDCAST

COI0518: bias: 0.0 corr: 0.0 ioa: 0.4 rmse: 0.1 ss: 0.4 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -17.59m lon: -152.73 lat: 58.98 θ_M^{act} : 133° θ_O^{act} : 132°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

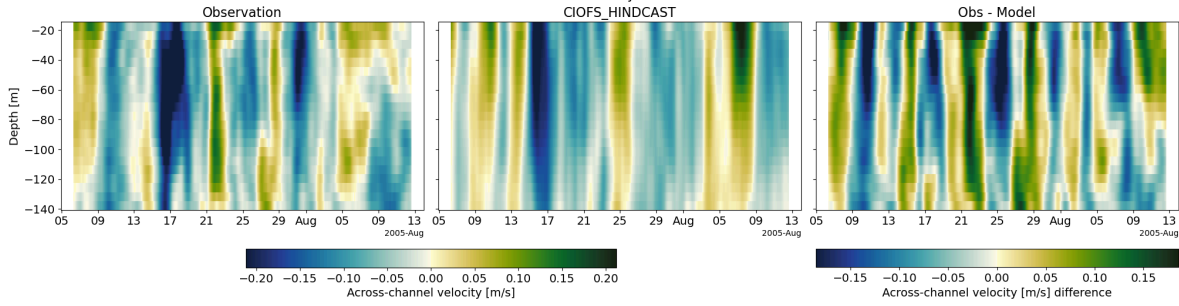
COI0518: bias: 0.0 corr: 0.5 ioa: 0.7 rmse: 0.1 ss: 0.6 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -17.59m lon: -152.73 lat: 58.98 θ_M^{act} : 133° θ_O^{act} : 132°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

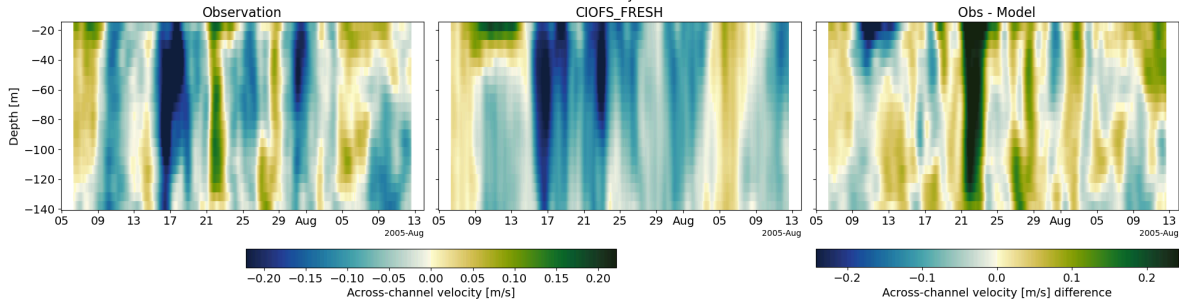
CIOFS_HINDCAST

COI0518: bias: 0.0 corr: 0.3 ioa: 0.6 rmse: 0.1 ss: 0.7 dist: 0.5 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -17.59m lon: -152.73 lat: 58.98 θ_M° : 133° θ_O° : 132°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0518: bias: -0.0 corr: 0.5 ioa: 0.7 rmse: 0.1 ss: 0.7 dist: 0.5 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -17.59m lon: -152.73 lat: 58.98 θ_M° : 133° θ_O° : 132°
Subtidal across-channel velocity from moored ADCP



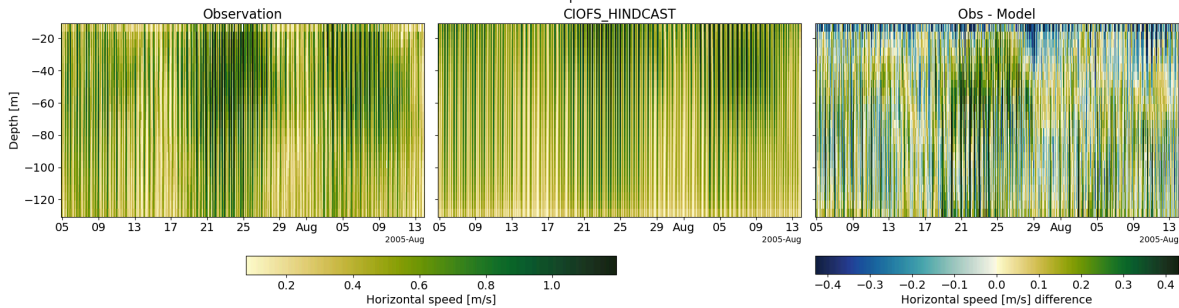
COI0519

Tidal

Horizontal speed

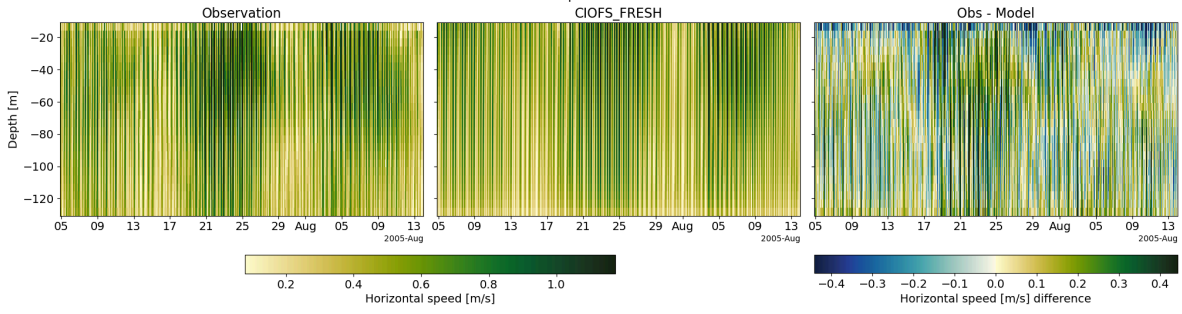
CIOFS_HINDCAST

COI0519: bias: -0.0 corr: 0.8 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.6 std_M: 0.3 std_O: 0.3
2005-07-04 depth: -13.17m lon: -152.41 lat: 58.81
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

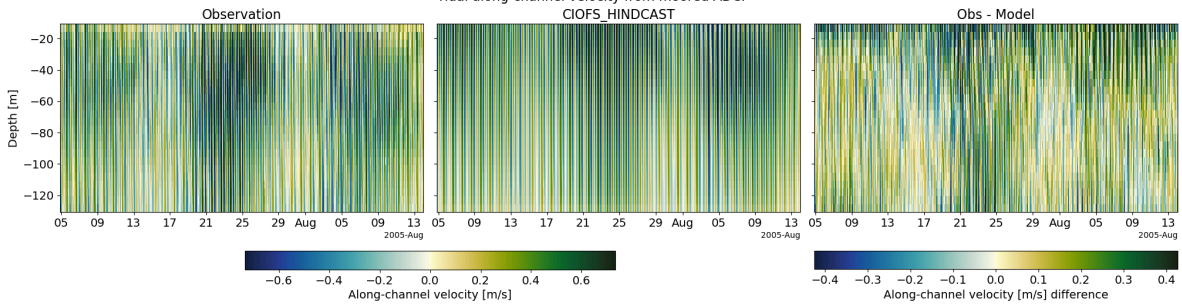
COI0519: bias: -0.0 corr: 0.8 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.6 std_M: 0.3 std_O: 0.3
 2005-07-04 depth: -13.17m lon: -152.41 lat: 58.81
 Tidal horizontal speed from moored ADCP



Along-channel velocity

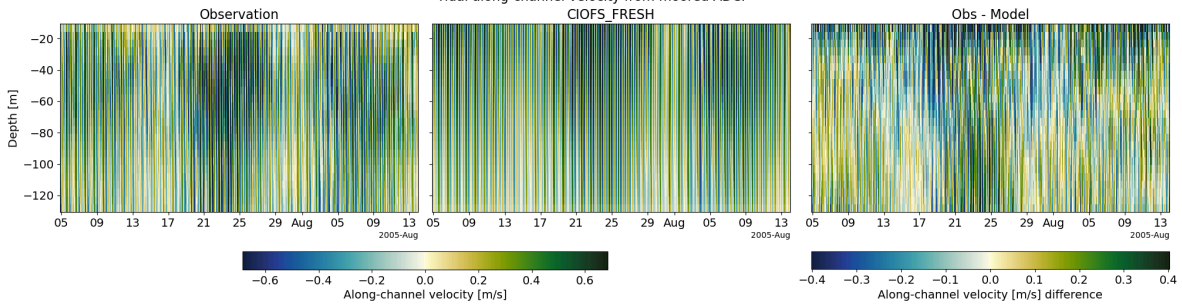
CIOFS_HINDCAST

COI0519: bias: -0.0 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.6 std_M: 0.3 std_O: 0.3
 2005-07-04 depth: -13.17m lon: -152.41 lat: 58.81 θ_M^{rot} : -24° θ_O^{rot} : -27°
 Tidal along-channel velocity from moored ADCP



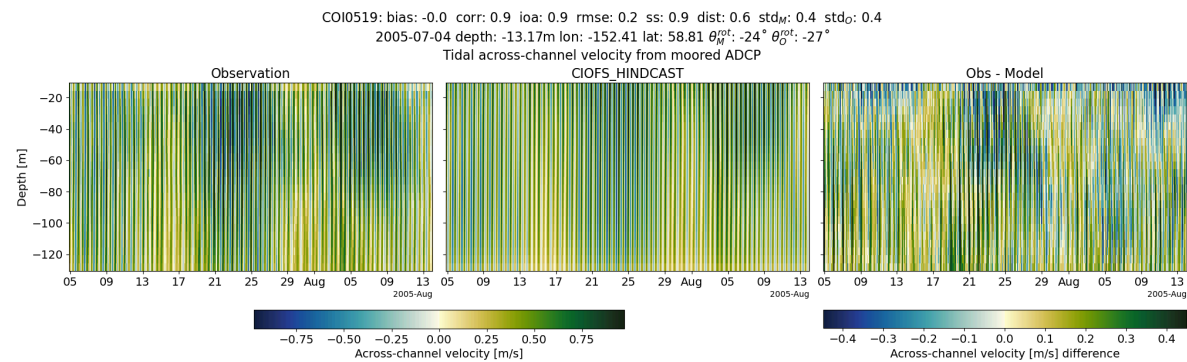
CIOFS_FRESH

COI0519: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.6 std_M: 0.3 std_O: 0.3
 2005-07-04 depth: -13.17m lon: -152.41 lat: 58.81 θ_M^{rot} : -25° θ_O^{rot} : -27°
 Tidal along-channel velocity from moored ADCP

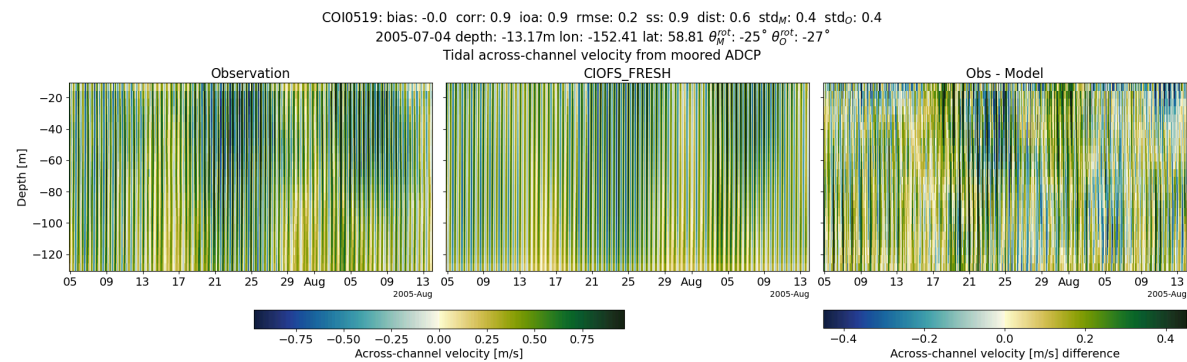


Across-channel velocity

CIOFS_HINDCAST



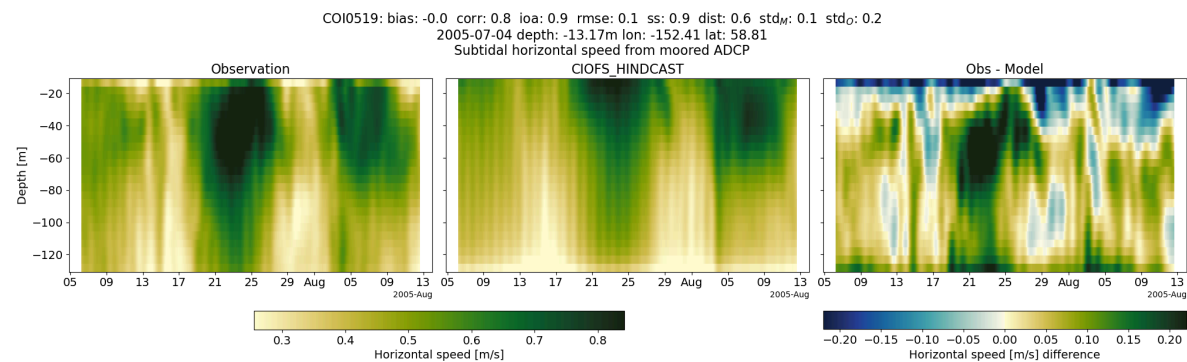
CIOFS_FRESH



Subtidal

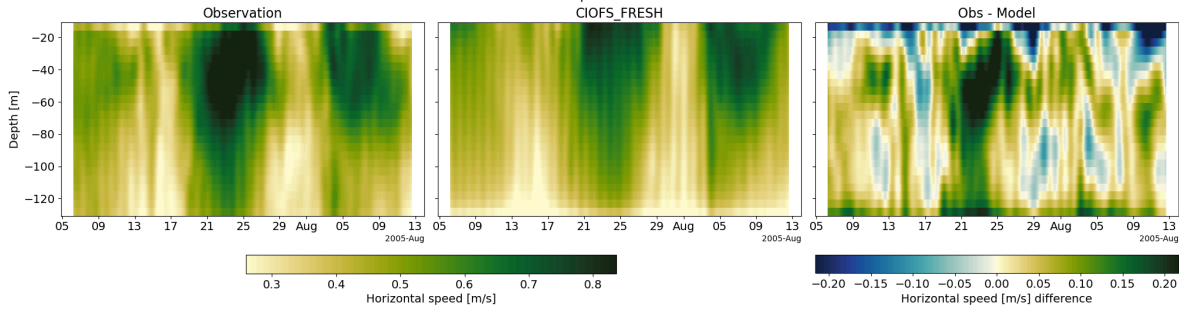
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

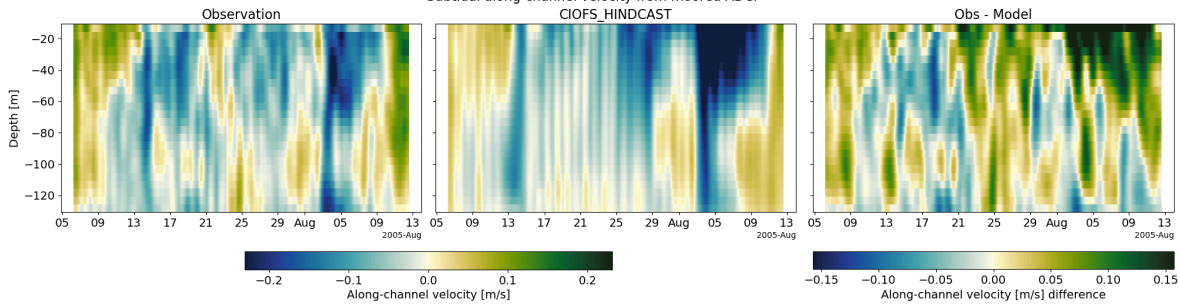
COI0519: bias: -0.0 corr: 0.8 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.6 std_M: 0.1 std_O: 0.2
 2005-07-04 depth: -13.17m lon: -152.41 lat: 58.81
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

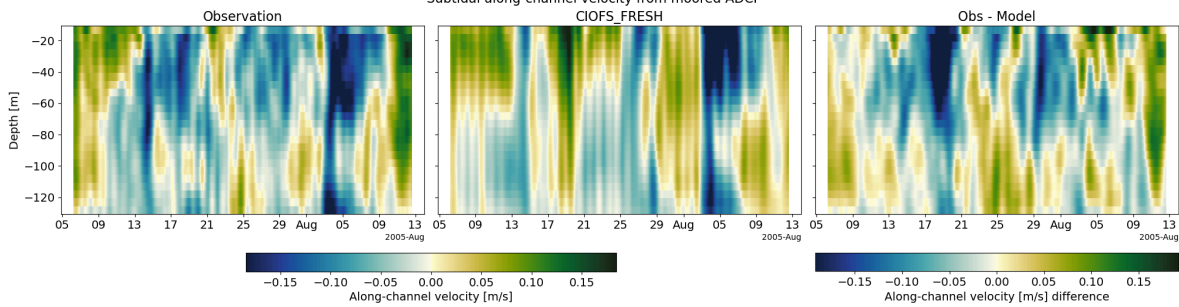
CIOFS_HINDCAST

COI0519: bias: -0.0 corr: 0.7 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.6 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -13.17m lon: -152.41 lat: 58.81 θ_M^{rot} : -24° θ_O^{rot} : -27°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

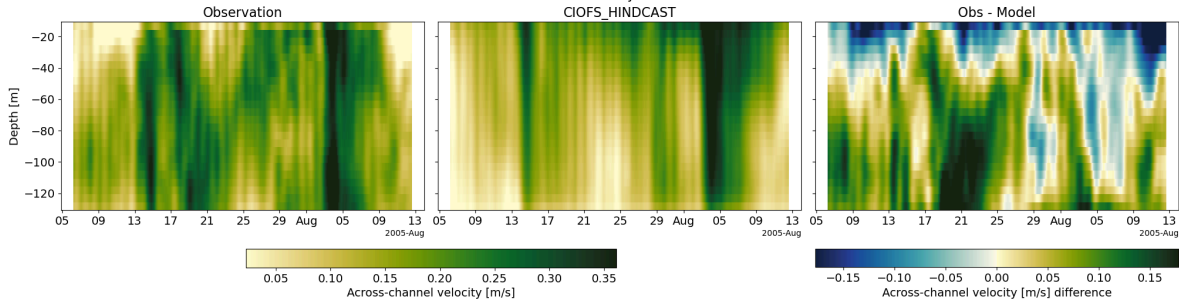
COI0519: bias: 0.0 corr: 0.5 ioa: 0.7 rmse: 0.1 ss: 0.8 dist: 0.6 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -13.17m lon: -152.41 lat: 58.81 θ_M^{rot} : -25° θ_O^{rot} : -27°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

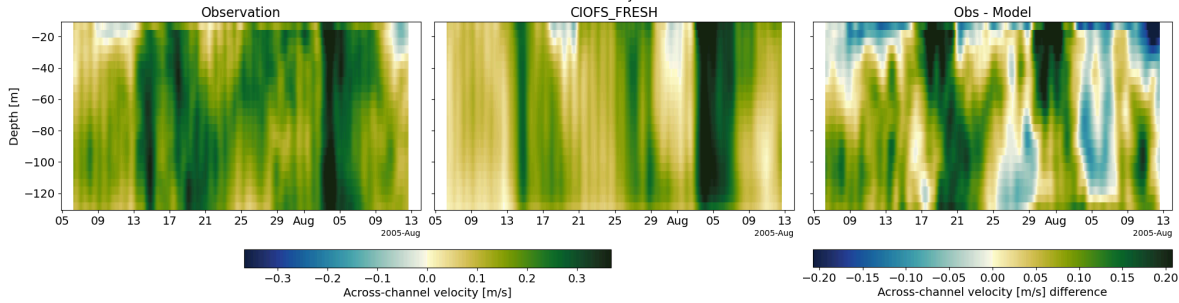
CIOFS_HINDCAST

COI0519: bias: -0.0 corr: 0.5 loa: 0.7 rmse: 0.1 ss: 0.8 dist: 0.6 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -13.17m lon: -152.41 lat: 58.81 θ_M^{rot} : -24° θ_O^{rot} : -27°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0519: bias: -0.1 corr: 0.6 loa: 0.7 rmse: 0.1 ss: 0.8 dist: 0.6 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -13.17m lon: -152.41 lat: 58.81 θ_M^{rot} : -25° θ_O^{rot} : -27°
Subtidal across-channel velocity from moored ADCP



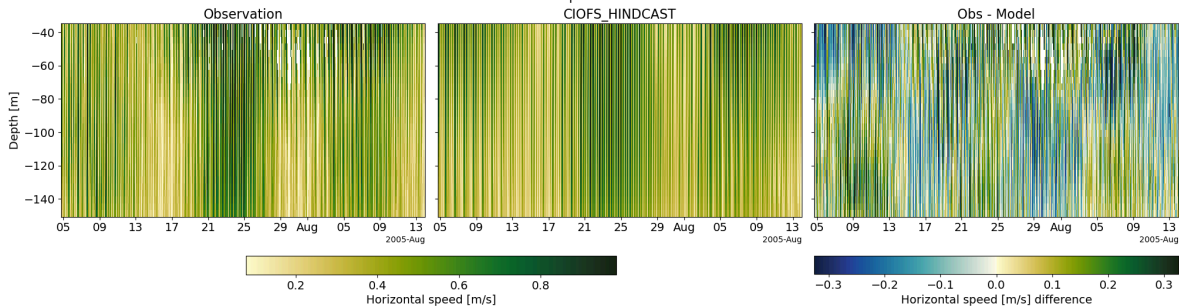
COI0520

Tidal

Horizontal speed

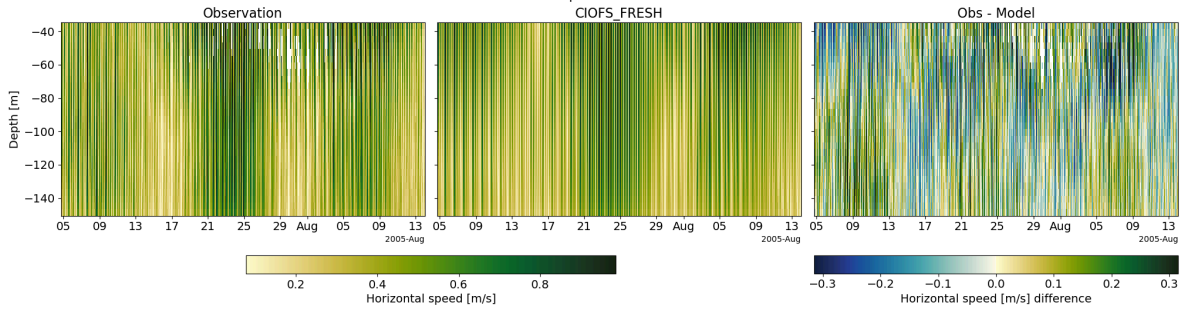
CIOFS_HINDCAST

COI0520: bias: -0.0 corr: 0.8 loa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.5 std_M: 0.2 std_O: 0.2
2005-07-04 depth: -36.61m lon: -152.15 lat: 59.05
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

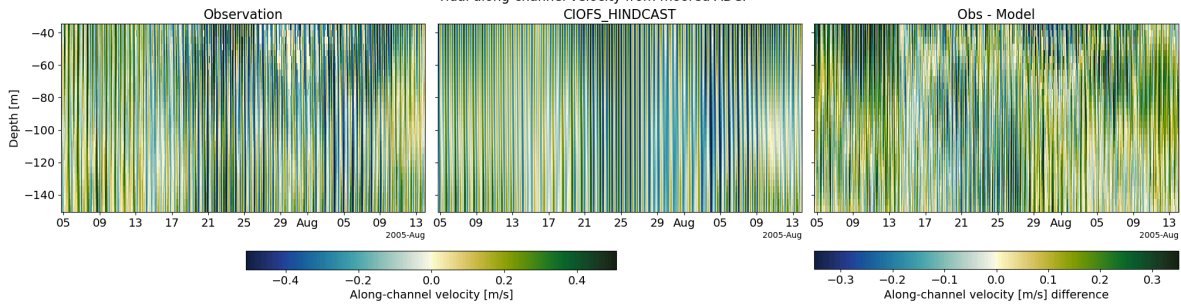
COI0520: bias: -0.0 corr: 0.8 loa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.5 std_M: 0.2 std_O: 0.2
 2005-07-04 depth: -36.61m lon: -152.15 lat: 59.05
 Tidal horizontal speed from moored ADCP



Along-channel velocity

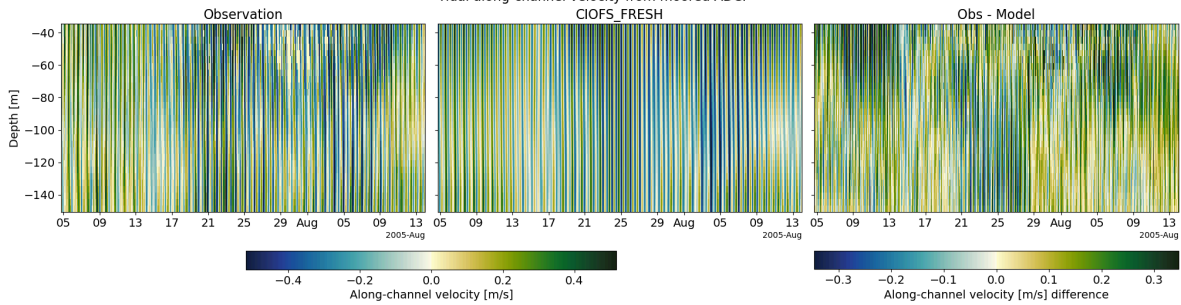
CIOFS_HINDCAST

COI0520: bias: -0.0 corr: 0.8 loa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.5 std_M: 0.2 std_O: 0.2
 2005-07-04 depth: -36.61m lon: -152.15 lat: 59.05 θ_M^{rot} : -33° θ_O^{rot} : -37°
 Tidal along-channel velocity from moored ADCP



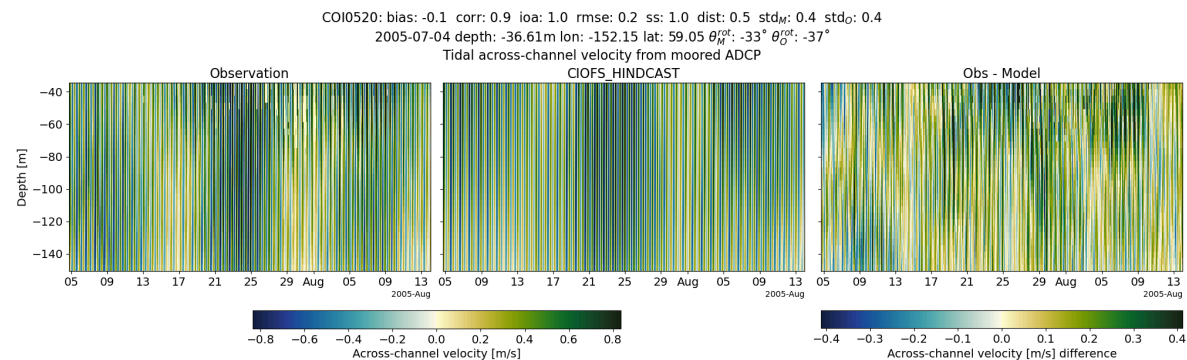
CIOFS_FRESH

COI0520: bias: -0.0 corr: 0.8 loa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.5 std_M: 0.2 std_O: 0.2
 2005-07-04 depth: -36.61m lon: -152.15 lat: 59.05 θ_M^{rot} : -33° θ_O^{rot} : -37°
 Tidal along-channel velocity from moored ADCP

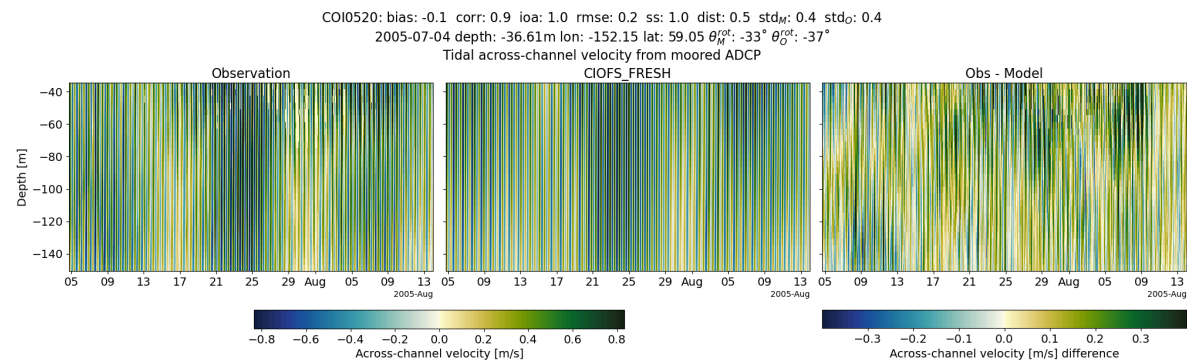


Across-channel velocity

CIOFS_HINDCAST



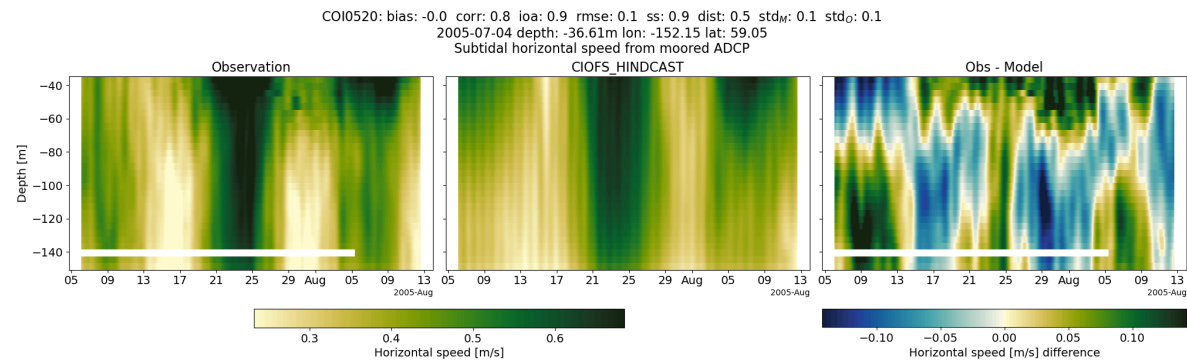
CIOFS_FRESH



Subtidal

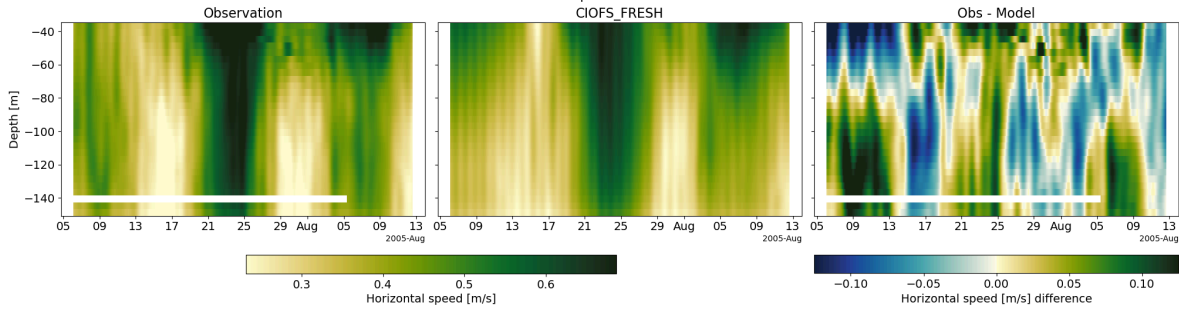
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

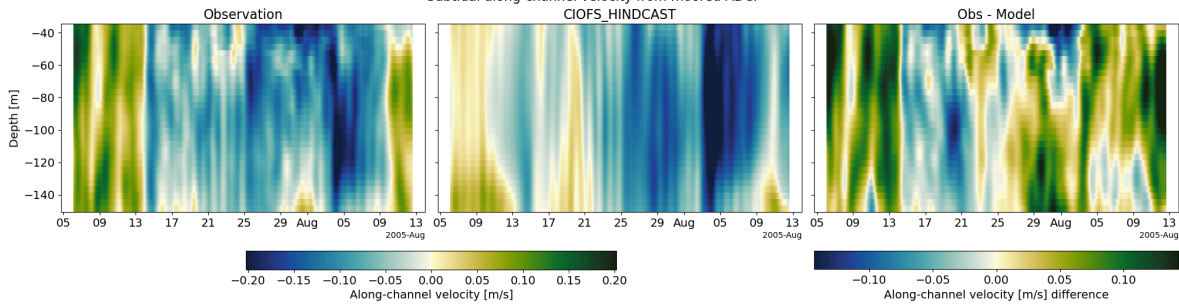
COI0520: bias: -0.0 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -36.61m lon: -152.15 lat: 59.05
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

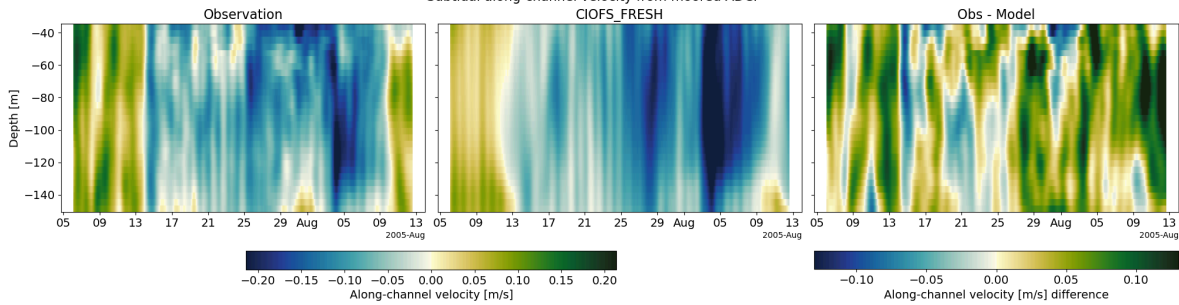
CIOFS_HINDCAST

COI0520: bias: -0.0 corr: 0.7 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -36.61m lon: -152.15 lat: 59.05 θ_M^{rot} : -33° θ_O^{rot} : -30°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

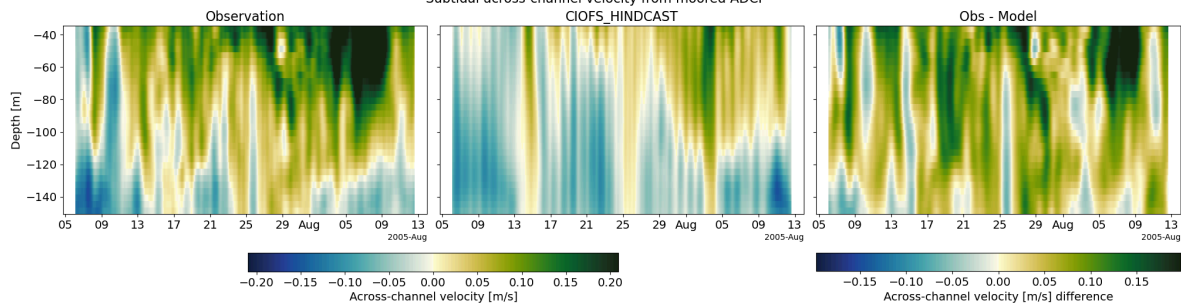
COI0520: bias: -0.0 corr: 0.8 ioa: 0.9 rmse: 0.0 ss: 0.9 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -36.61m lon: -152.15 lat: 59.05 θ_M^{rot} : -33° θ_O^{rot} : -30°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

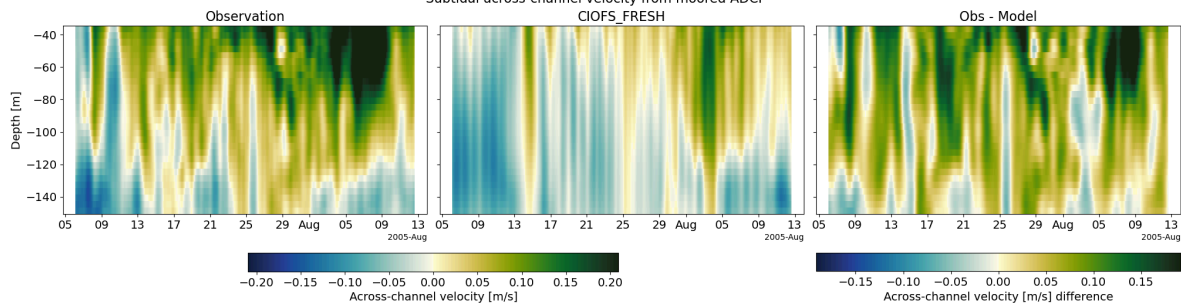
CIOFS_HINDCAST

COI0520: bias: -0.1 corr: 0.7 loa: 0.7 rmse: 0.1 ss: 0.7 dist: 0.5 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -36.61m lon: -152.15 lat: 59.05 θ_M^{rot} : -33° θ_O^{rot} : -30°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0520: bias: -0.1 corr: 0.7 loa: 0.7 rmse: 0.1 ss: 0.7 dist: 0.5 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -36.61m lon: -152.15 lat: 59.05 θ_M^{rot} : -33° θ_O^{rot} : -30°
Subtidal across-channel velocity from moored ADCP



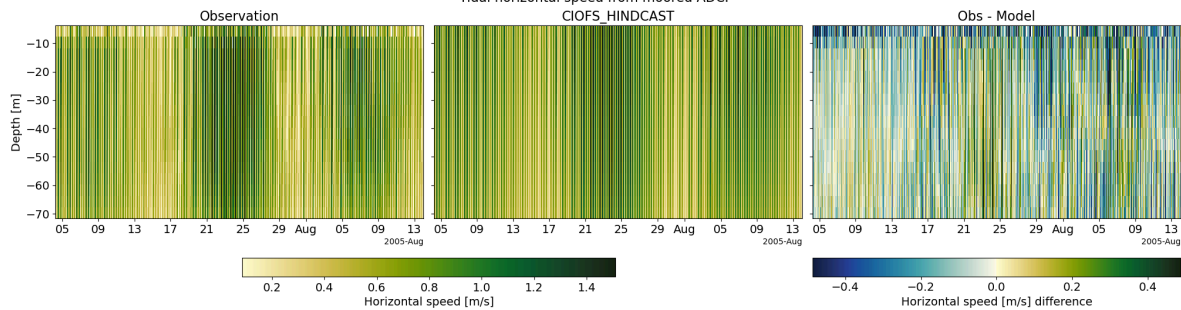
COI0521

Tidal

Horizontal speed

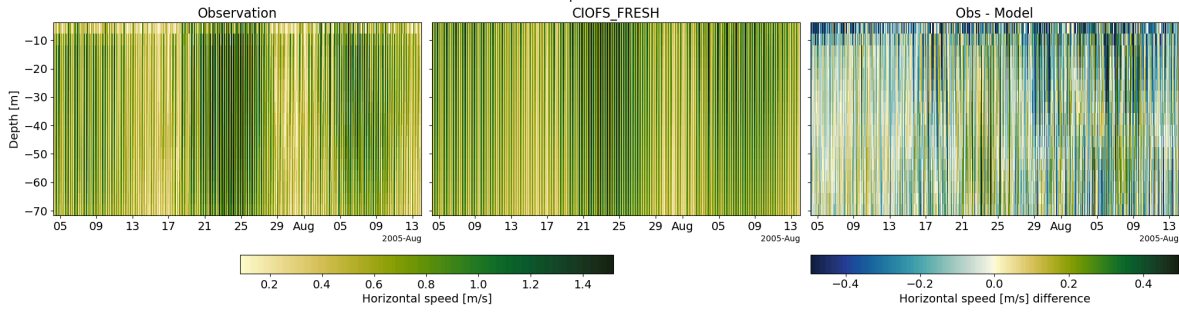
CIOFS_HINDCAST

COI0521: bias: 0.0 corr: 0.9 loa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.2 std_M: 0.4 std_O: 0.4
2005-07-04 depth: -5.70m lon: -151.89 lat: 59.12
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

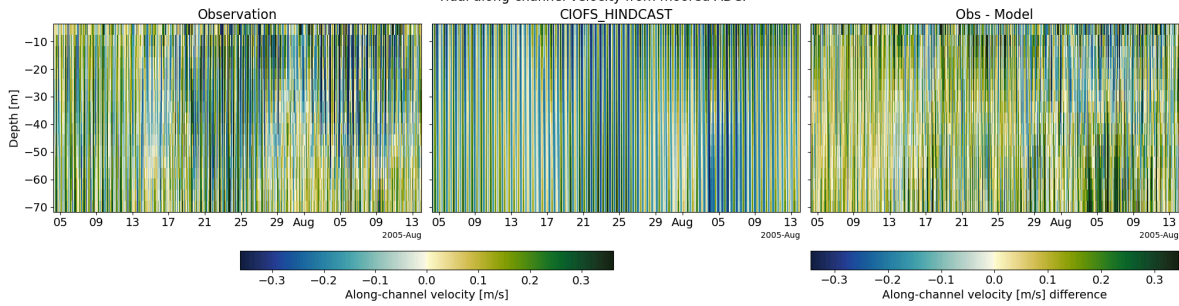
COI0521: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.2 std_M : 0.4 std_O : 0.4
 2005-07-04 depth: -5.70m lon: -151.89 lat: 59.12
 Tidal horizontal speed from moored ADCP



Along-channel velocity

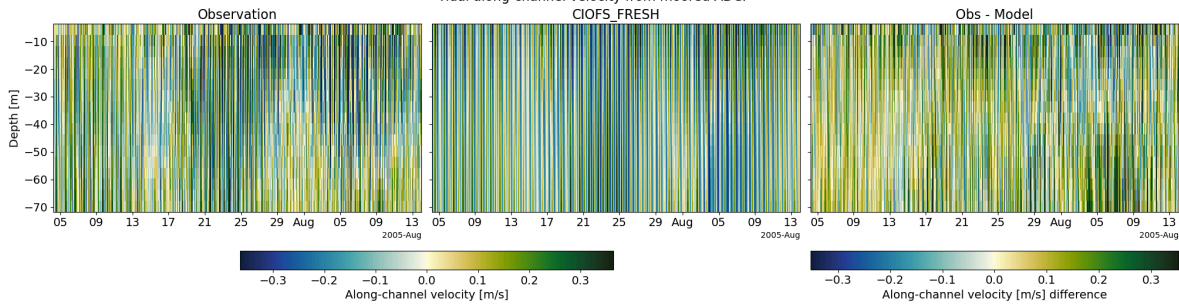
CIOFS_HINDCAST

COI0521: bias: -0.0 corr: 0.6 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.2 std_M : 0.2 std_O : 0.2
 2005-07-04 depth: -5.70m lon: -151.89 lat: 59.12 θ_M^{pt} : -39° θ_O^{pt} : -40°
 Tidal along-channel velocity from moored ADCP



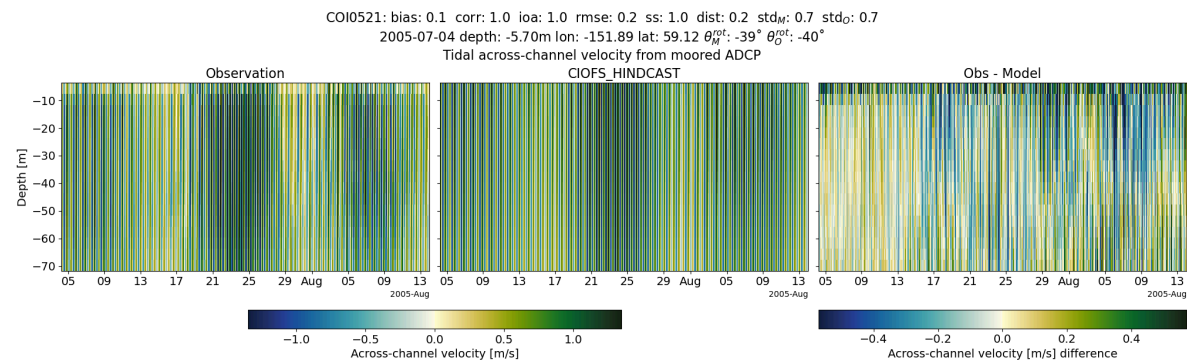
CIOFS_FRESH

COI0521: bias: -0.0 corr: 0.6 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.2 std_M : 0.2 std_O : 0.2
 2005-07-04 depth: -5.70m lon: -151.89 lat: 59.12 θ_M^{pt} : -40° θ_O^{pt} : -40°
 Tidal along-channel velocity from moored ADCP

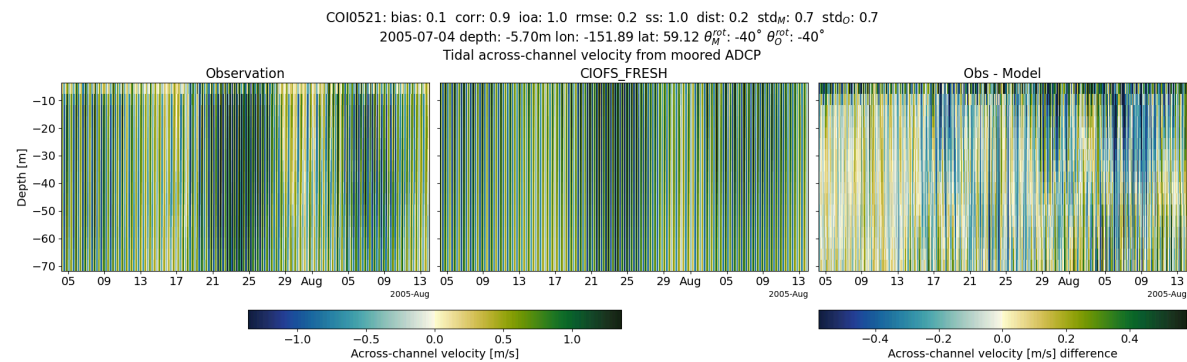


Across-channel velocity

CIOFS_HINDCAST



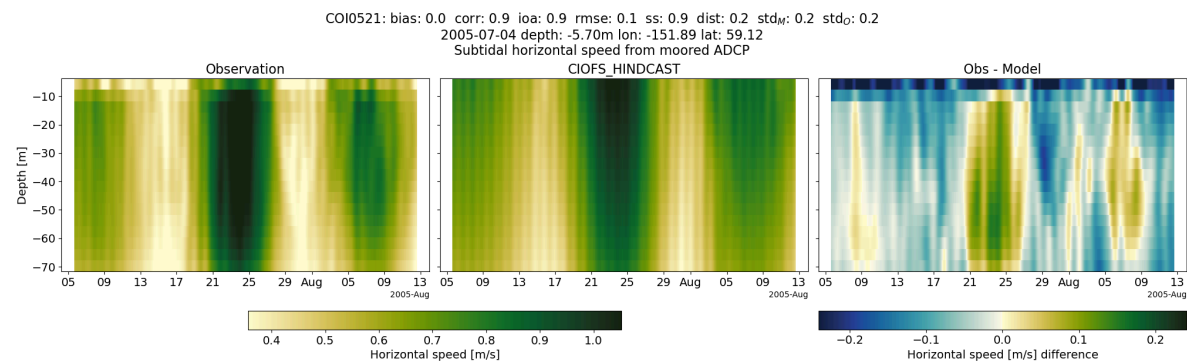
CIOFS_FRESH



Subtidal

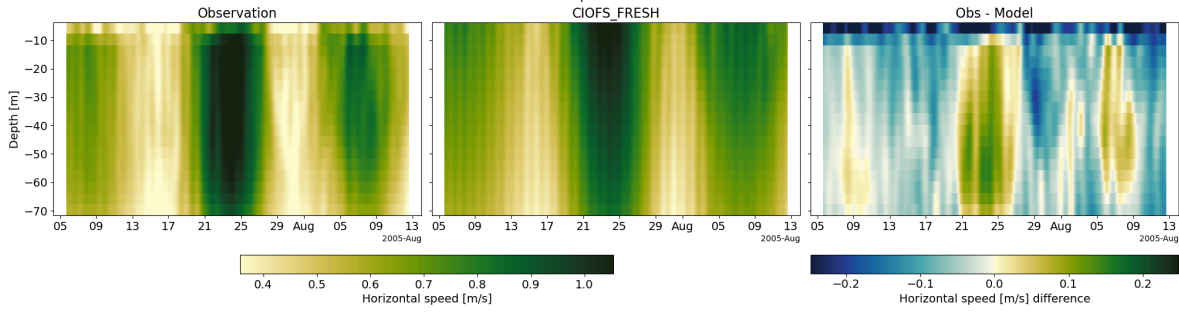
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

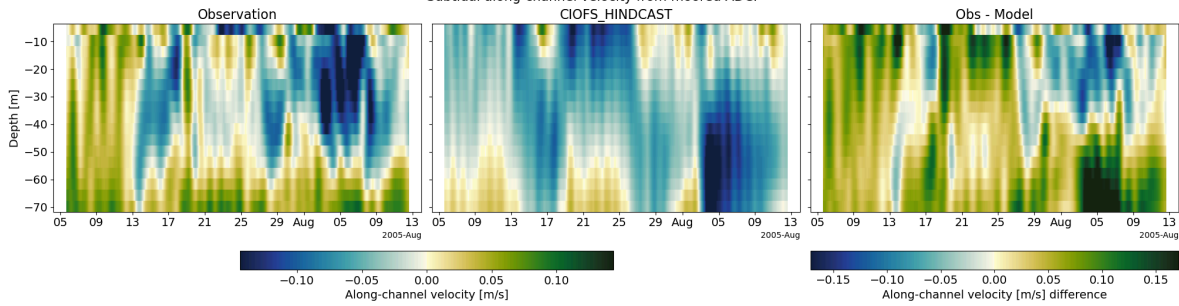
COI0521: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.2 std_M: 0.2 std_O: 0.2
 2005-07-04 depth: -5.70m lon: -151.89 lat: 59.12
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

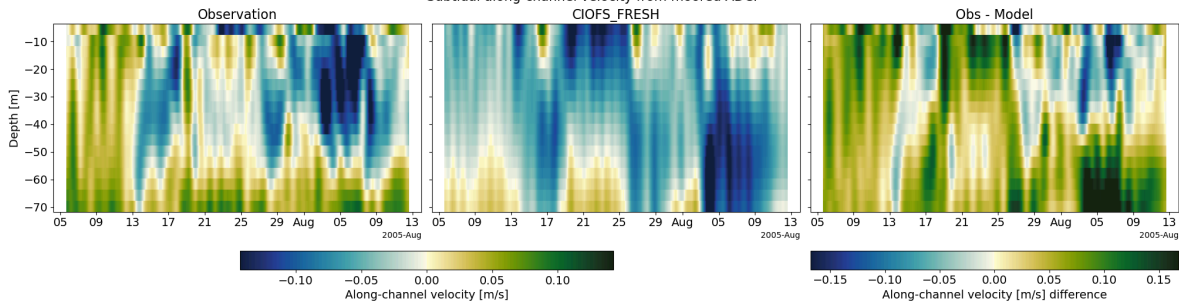
CIOFS_HINDCAST

COI0521: bias: -0.0 corr: 0.2 ioa: 0.5 rmse: 0.1 ss: 0.5 dist: 0.2 std_M: 0.0 std_O: 0.1
 2005-07-04 depth: -5.70m lon: -151.89 lat: 59.12 $\theta_M^{90^\circ}$: -39° $\theta_O^{90^\circ}$: -40°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

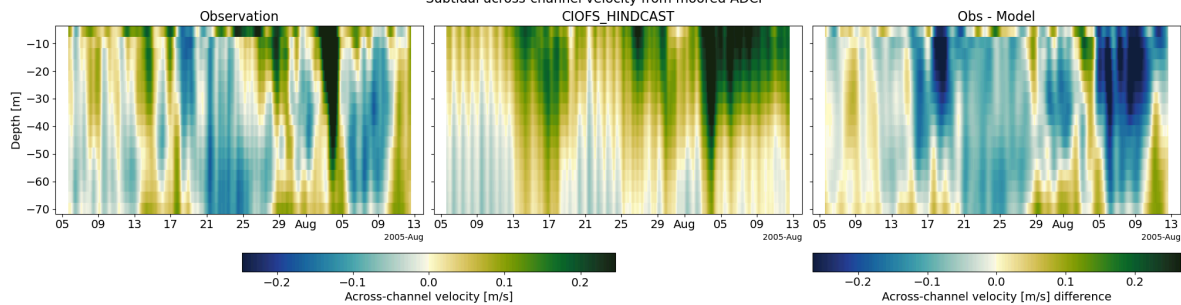
COI0521: bias: -0.0 corr: 0.3 ioa: 0.5 rmse: 0.1 ss: 0.6 dist: 0.2 std_M: 0.0 std_O: 0.1
 2005-07-04 depth: -5.70m lon: -151.89 lat: 59.12 $\theta_M^{90^\circ}$: -40° $\theta_O^{90^\circ}$: -40°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

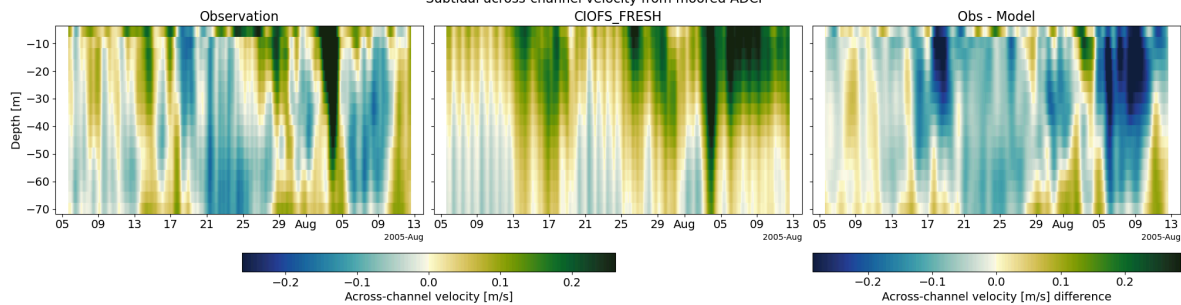
CIOFS_HINDCAST

COI0521: bias: 0.1 corr: 0.5 ioa: 0.6 rmse: 0.1 ss: 0.7 dist: 0.2 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -5.70m lon: -151.89 lat: 59.12 θ_M^{gt} : -39° θ_O^{gt} : -40°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0521: bias: 0.1 corr: 0.5 ioa: 0.6 rmse: 0.1 ss: 0.7 dist: 0.2 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -5.70m lon: -151.89 lat: 59.12 θ_M^{gt} : -40° θ_O^{gt} : -40°
Subtidal across-channel velocity from moored ADCP



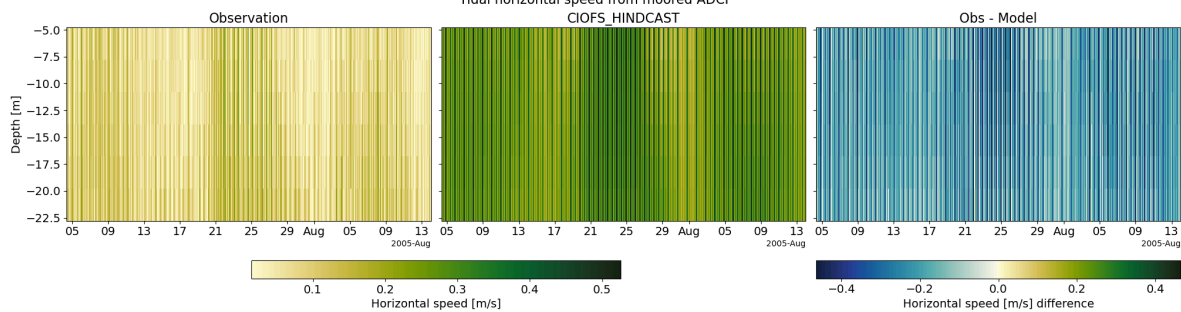
COI0522

Tidal

Horizontal speed

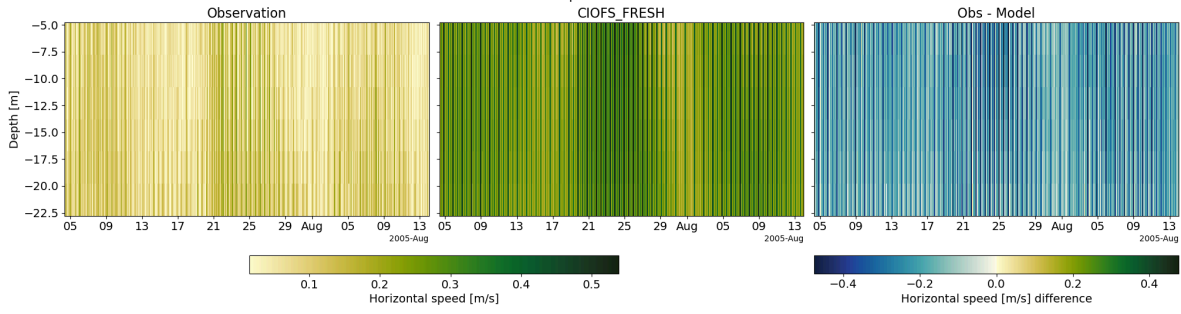
CIOFS_HINDCAST

COI0522: bias: 0.2 corr: 0.2 ioa: 0.3 rmse: 0.1 ss: 0.4 dist: 0.5 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -6.28m lon: -151.79 lat: 59.21
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

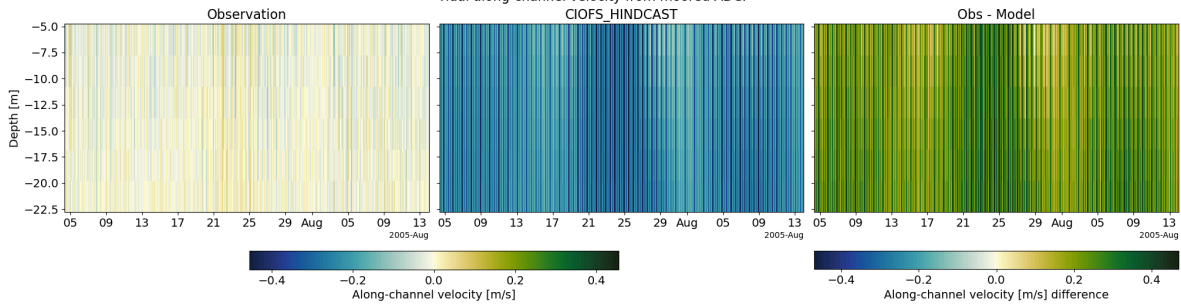
COI0522: bias: 0.2 corr: 0.2 ioa: 0.3 rmse: 0.1 ss: 0.4 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -6.28m lon: -151.79 lat: 59.21
 Tidal horizontal speed from moored ADCP



Along-channel velocity

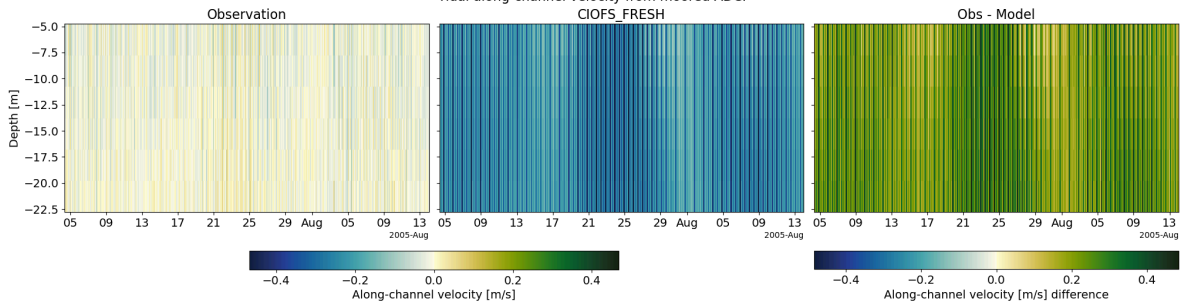
CIOFS_HINDCAST

COI0522: bias: -0.2 corr: 0.1 ioa: 0.2 rmse: 0.1 ss: 0.2 dist: 0.5 std_M: 0.1 std_O: 0.0
 2005-07-04 depth: -6.28m lon: -151.79 lat: 59.21 $\theta_M^{O^t}$: -15° $\theta_O^{O^t}$: 45°
 Tidal along-channel velocity from moored ADCP



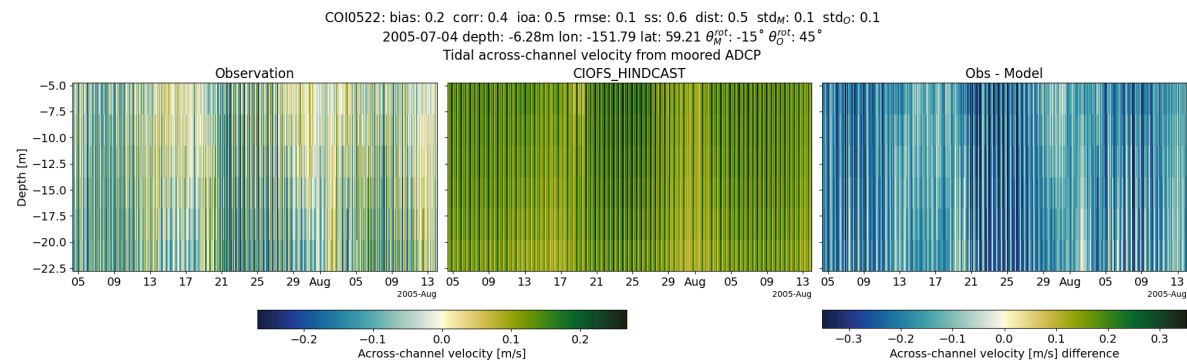
CIOFS_FRESH

COI0522: bias: -0.2 corr: 0.1 ioa: 0.2 rmse: 0.1 ss: 0.2 dist: 0.5 std_M: 0.1 std_O: 0.0
 2005-07-04 depth: -6.28m lon: -151.79 lat: 59.21 $\theta_M^{O^t}$: -15° $\theta_O^{O^t}$: 45°
 Tidal along-channel velocity from moored ADCP

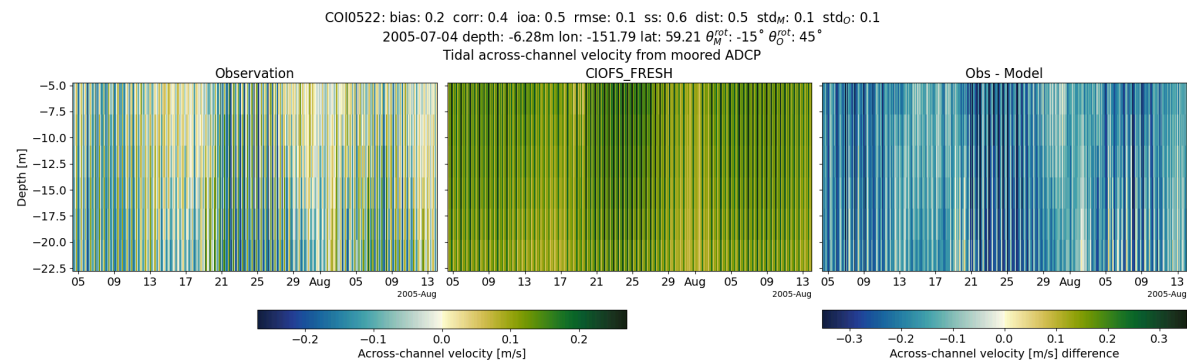


Across-channel velocity

CIOFS_HINDCAST



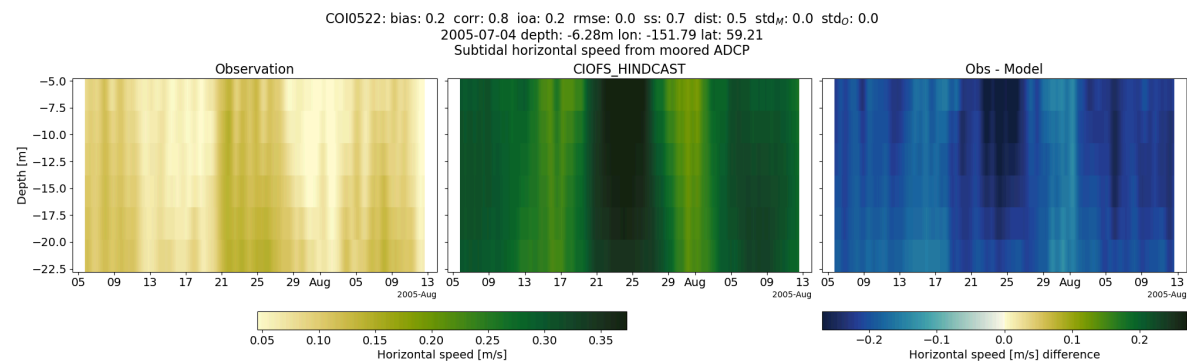
CIOFS_FRESH



Subtidal

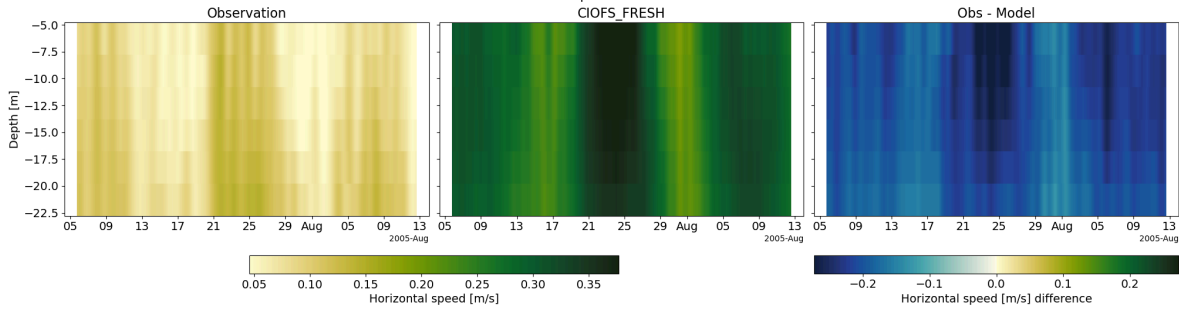
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

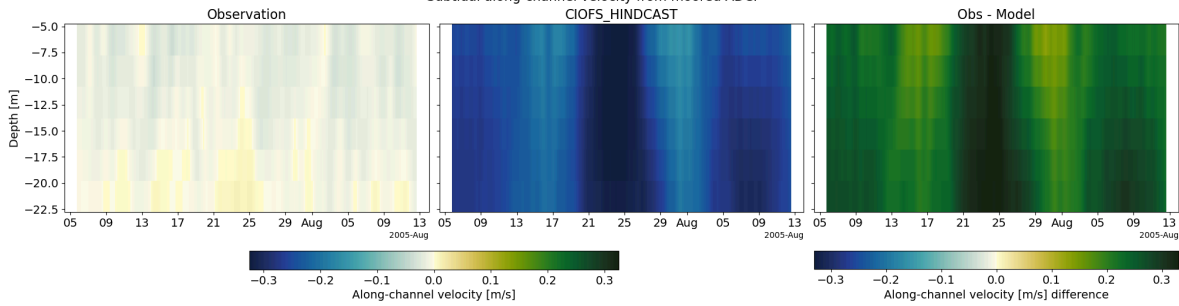
COI0522: bias: 0.2 corr: 0.8 ioa: 0.2 rmse: 0.0 ss: 0.7 dist: 0.5 std_M: 0.0 std_O: 0.0
 2005-07-04 depth: -6.28m lon: -151.79 lat: 59.21
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

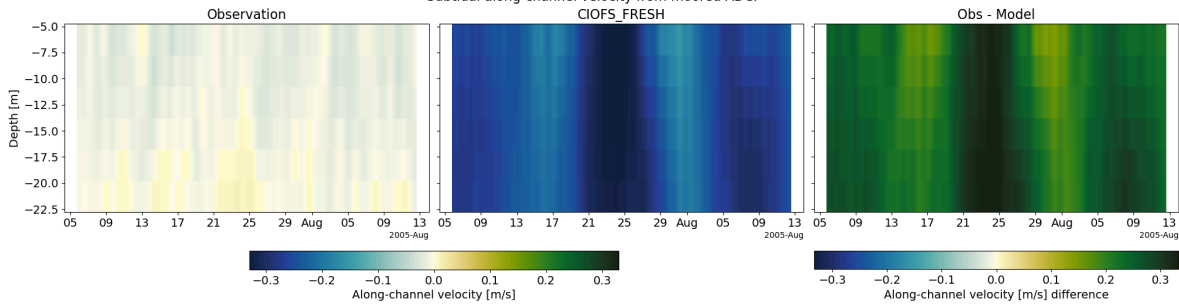
CIOFS_HINDCAST

COI0522: bias: -0.2 corr: -0.2 ioa: 0.1 rmse: 0.0 ss: 0.1 dist: 0.5 std_M: 0.0 std_O: 0.0
 2005-07-04 depth: -6.28m lon: -151.79 lat: 59.21 $\theta_M^{0^\circ}$: -15° $\theta_O^{0^\circ}$: 47°
 Subtidal along-channel velocity from moored ADCP



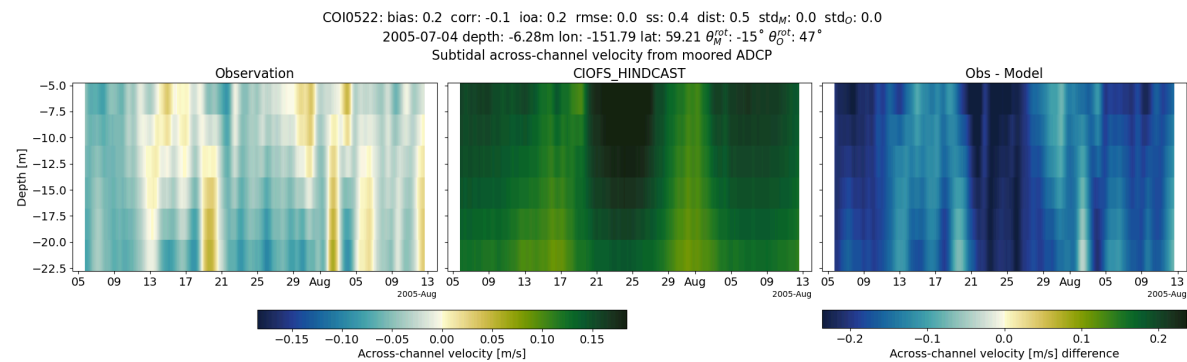
CIOFS_FRESH

COI0522: bias: -0.2 corr: -0.2 ioa: 0.1 rmse: 0.0 ss: 0.1 dist: 0.5 std_M: 0.0 std_O: 0.0
 2005-07-04 depth: -6.28m lon: -151.79 lat: 59.21 $\theta_M^{0^\circ}$: -15° $\theta_O^{0^\circ}$: 47°
 Subtidal along-channel velocity from moored ADCP

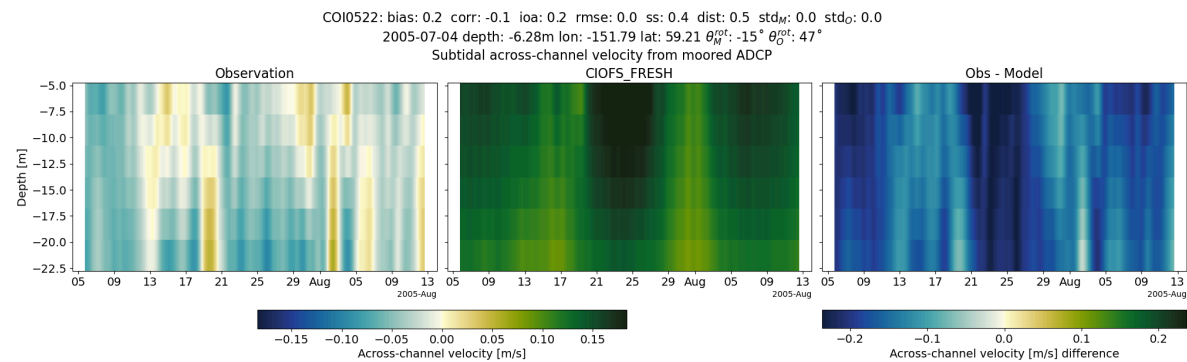


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

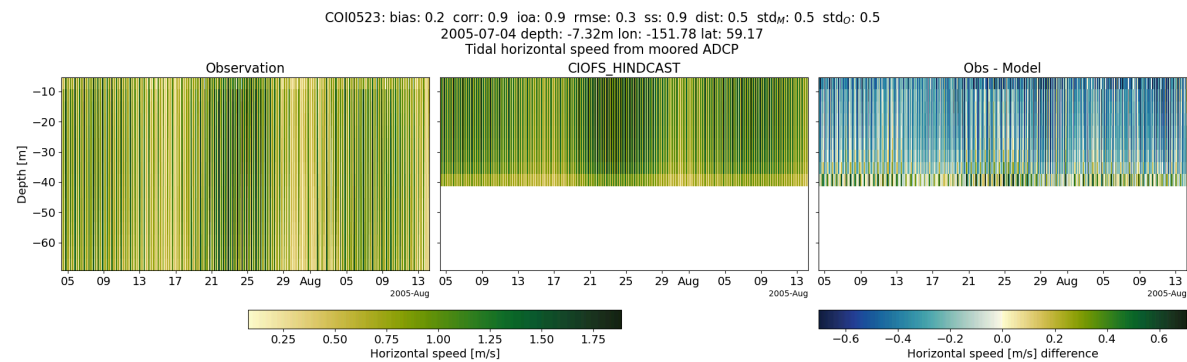


COI0523

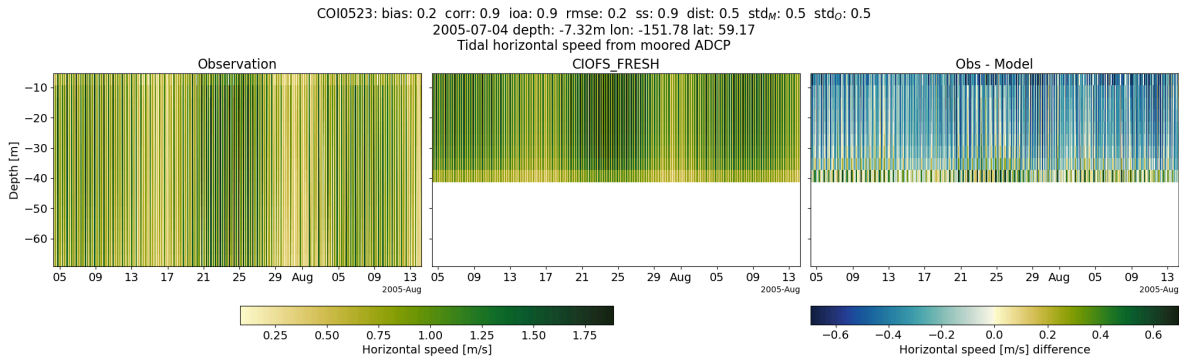
Tidal

Horizontal speed

CIOFS_HINDCAST

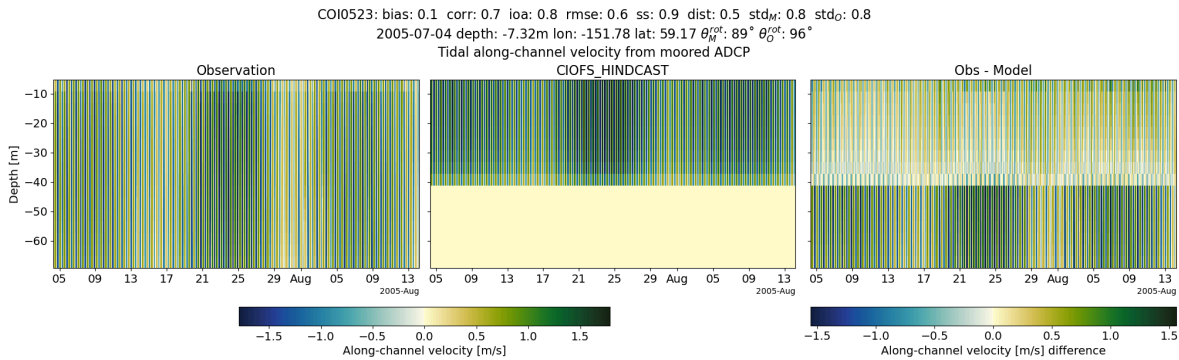


CIOFS_FRESH

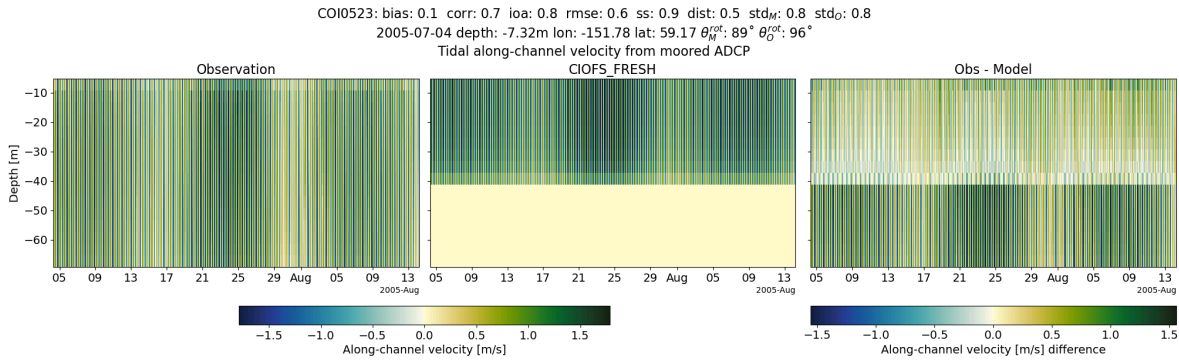


Along-channel velocity

CIOFS_HINDCAST

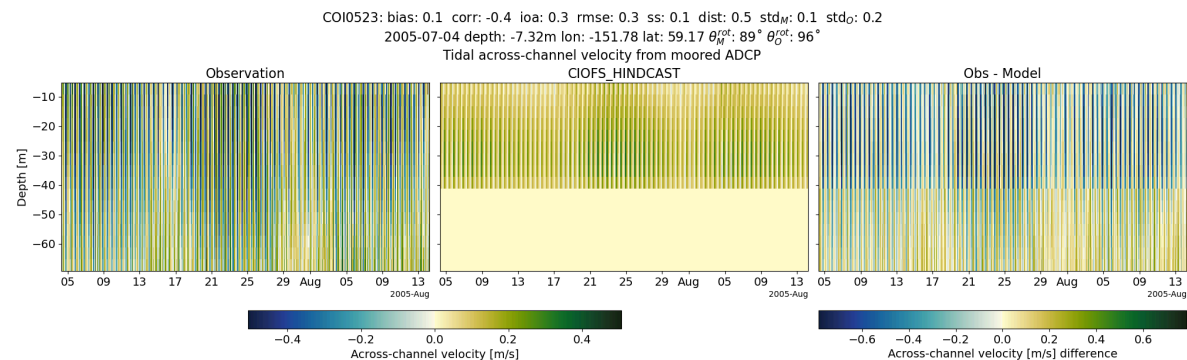


CIOFS_FRESH

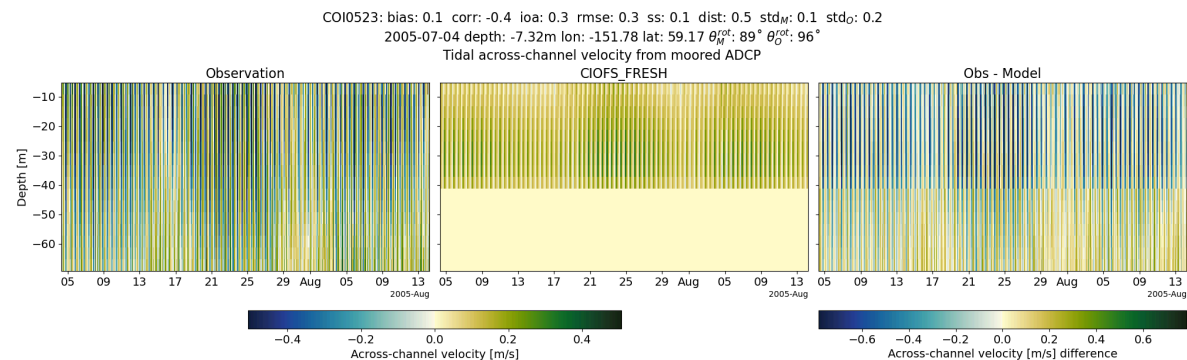


Across-channel velocity

CIOFS_HINDCAST



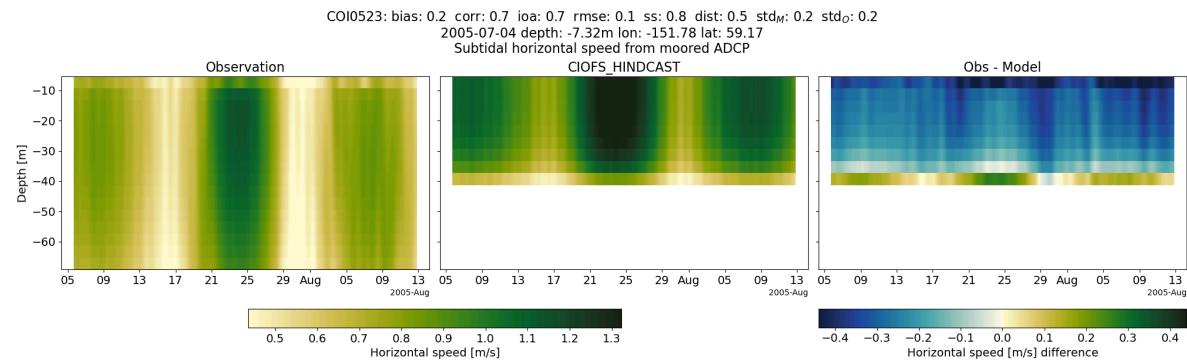
CIOFS_FRESH



Subtidal

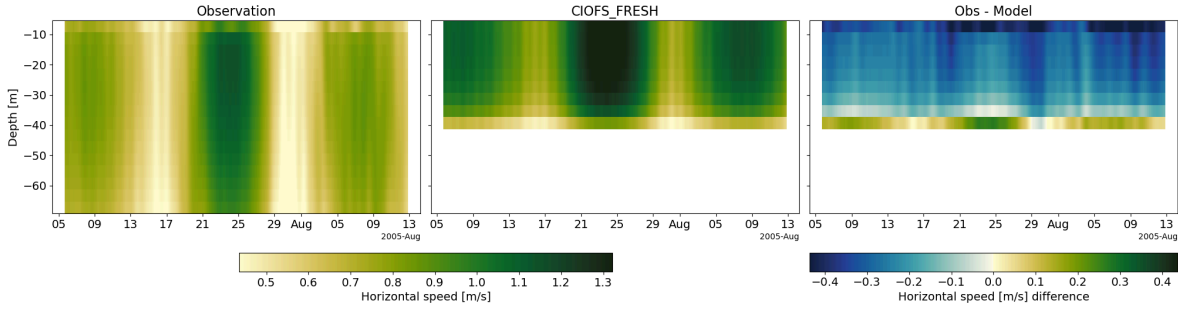
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

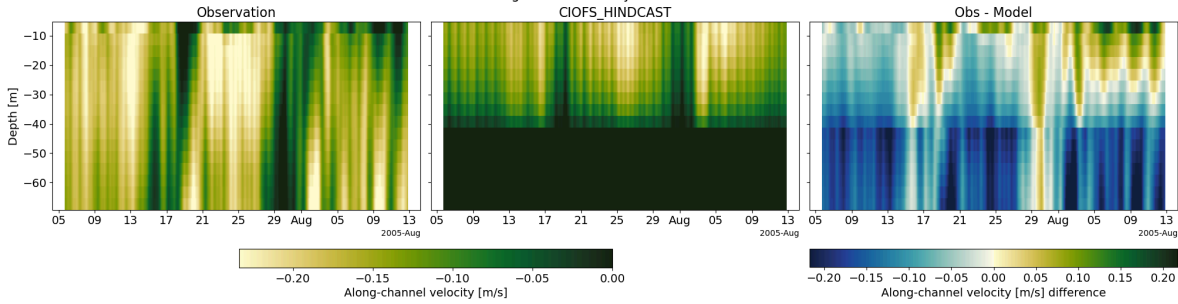
COI0523: bias: 0.2 corr: 0.7 ioa: 0.7 rmse: 0.1 ss: 0.8 dist: 0.5 std_M: 0.2 std_O: 0.2
 2005-07-04 depth: -7.32m lon: -151.78 lat: 59.17
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

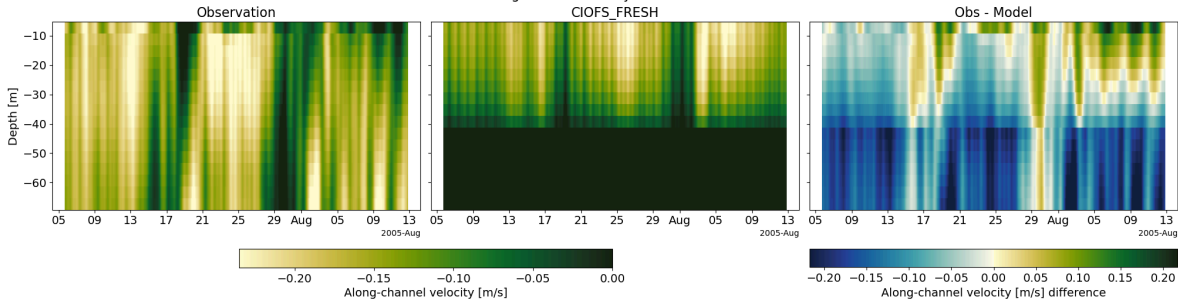
CIOFS_HINDCAST

COI0523: bias: 0.1 corr: 0.2 ioa: 0.4 rmse: 0.1 ss: 0.6 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -7.32m lon: -151.78 lat: 59.17 θ_M^{rot} : 89° θ_O^{rot} : 96°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

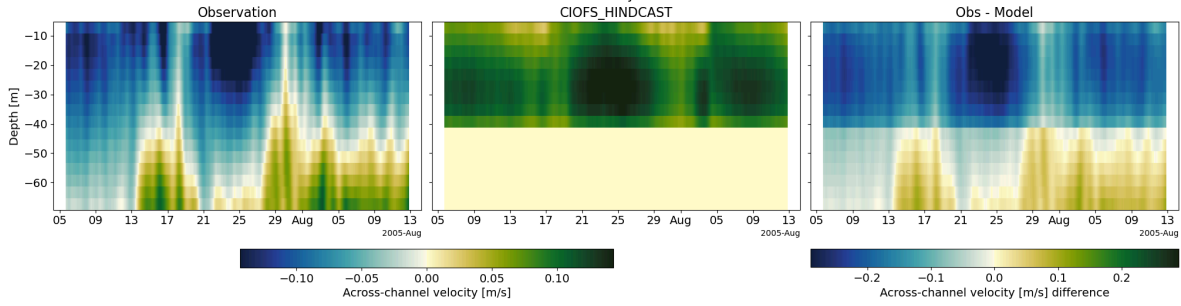
COI0523: bias: 0.1 corr: 0.1 ioa: 0.4 rmse: 0.1 ss: 0.6 dist: 0.5 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -7.32m lon: -151.78 lat: 59.17 θ_M^{rot} : 89° θ_O^{rot} : 96°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

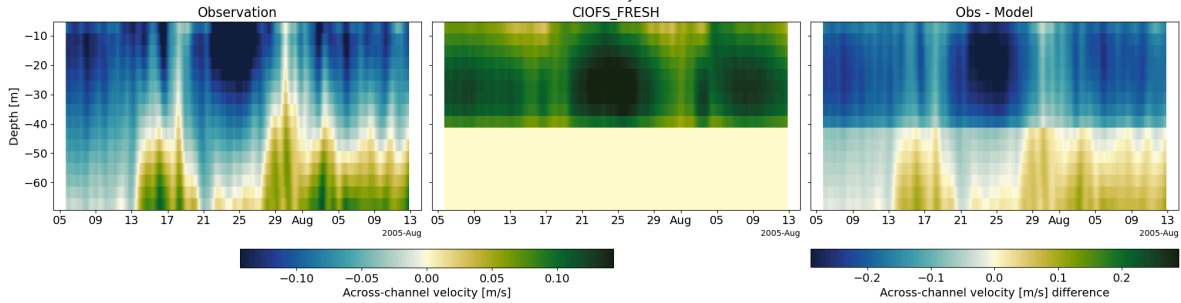
CIOFS_HINDCAST

COI0523: bias: 0.1 corr: -0.7 ioa: 0.2 rmse: 0.1 ss: 0.1 dist: 0.5 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -7.32m lon: -151.78 lat: 59.17 θ_M^{rot} : 89° θ_O^{rot} : 96°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0523: bias: 0.1 corr: -0.7 ioa: 0.2 rmse: 0.1 ss: 0.1 dist: 0.5 std_M: 0.1 std_O: 0.1
2005-07-04 depth: -7.32m lon: -151.78 lat: 59.17 θ_M^{rot} : 89° θ_O^{rot} : 96°
Subtidal across-channel velocity from moored ADCP



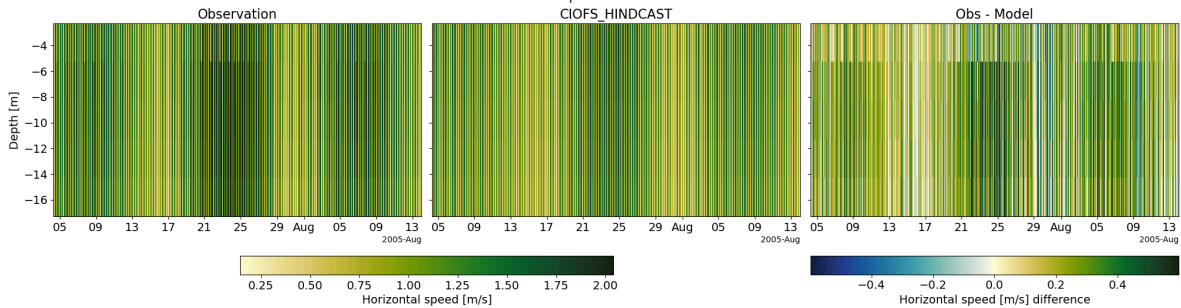
COI0524

Tidal

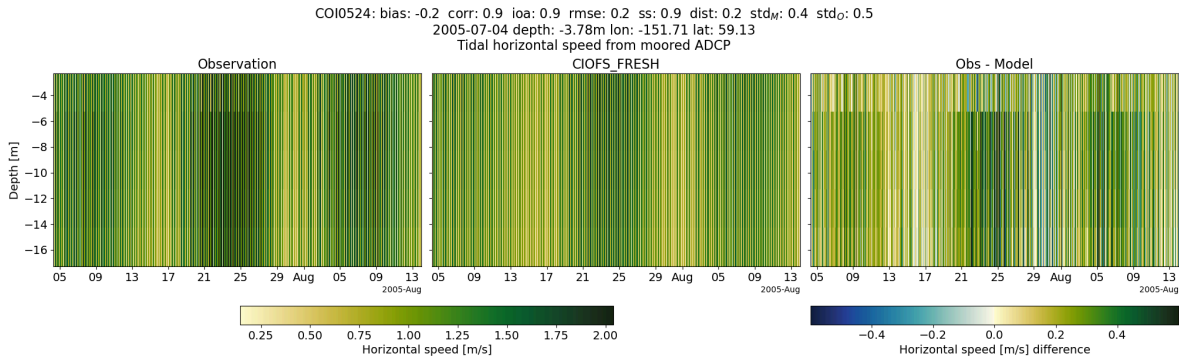
Horizontal speed

CIOFS_HINDCAST

COI0524: bias: -0.2 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.2 std_M: 0.4 std_O: 0.5
2005-07-04 depth: -3.78m lon: -151.71 lat: 59.13
Tidal horizontal speed from moored ADCP

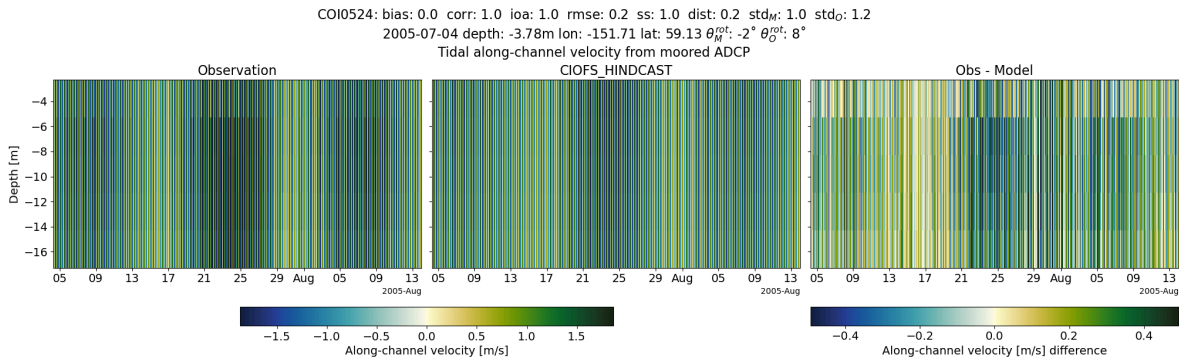


CIOFS_FRESH

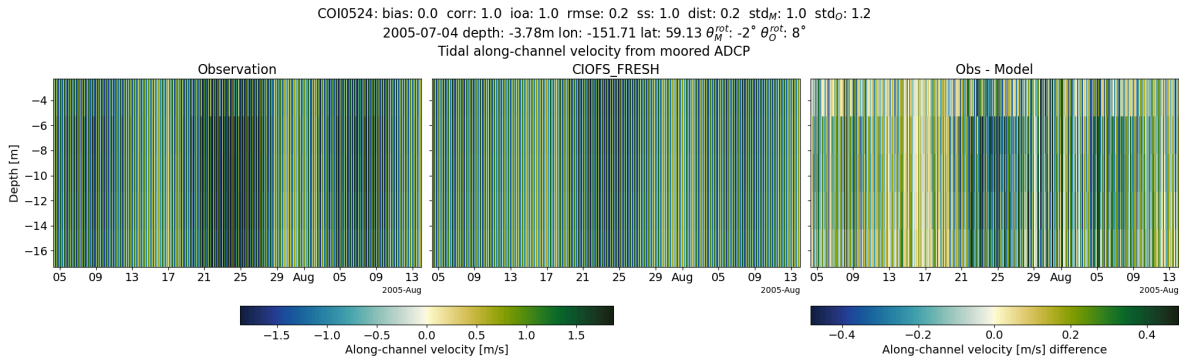


Along-channel velocity

CIOFS_HINDCAST

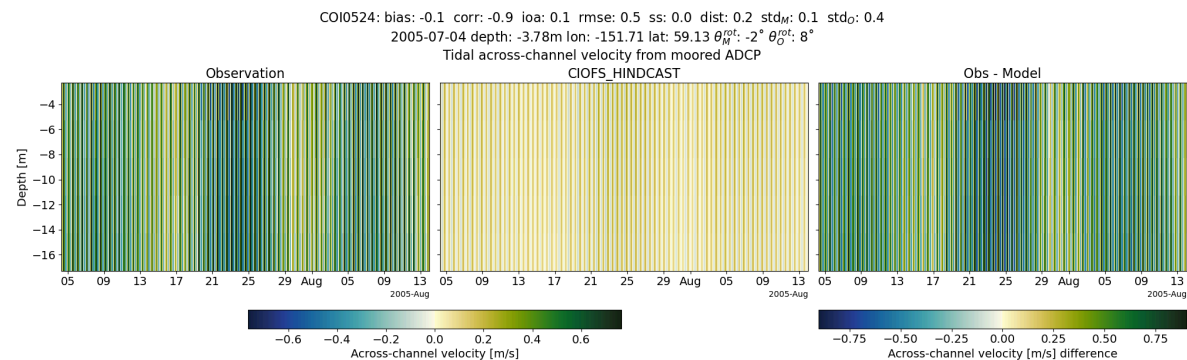


CIOFS_FRESH

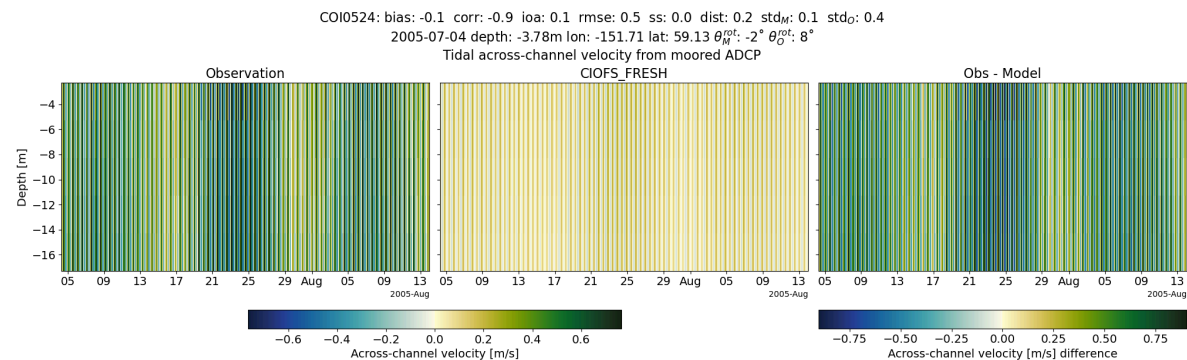


Across-channel velocity

CIOFS_HINDCAST



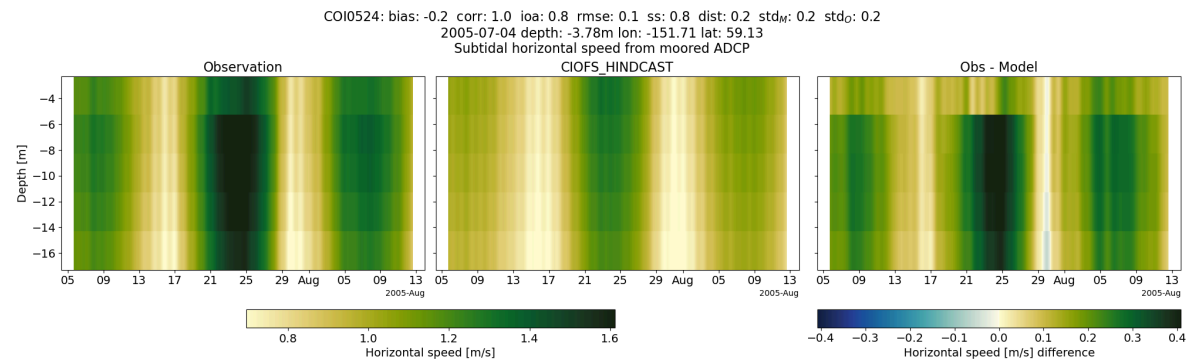
CIOFS_FRESH



Subtidal

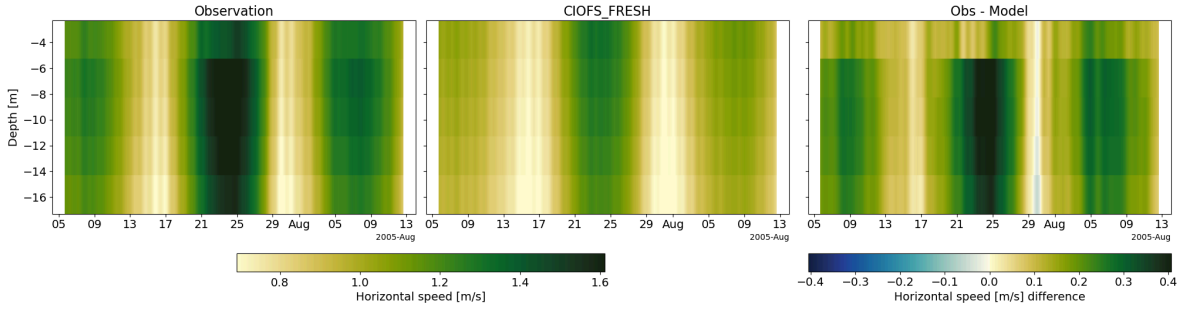
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

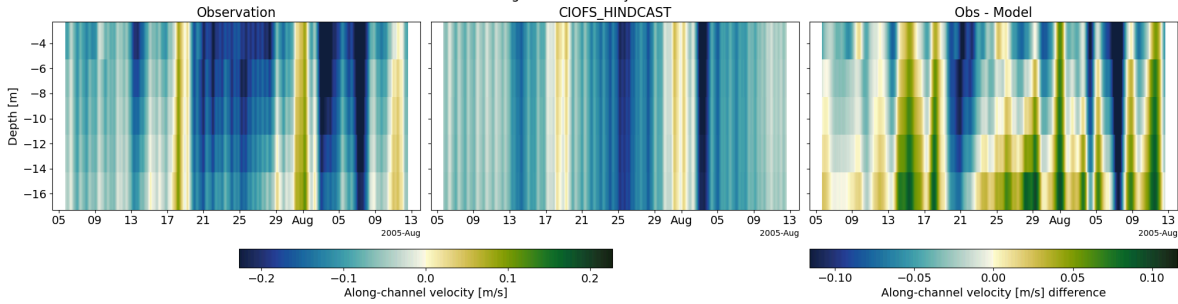
COI0524: bias: -0.2 corr: 1.0 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.2 std_M: 0.2 std_O: 0.2
 2005-07-04 depth: -3.78m lon: -151.71 lat: 59.13
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

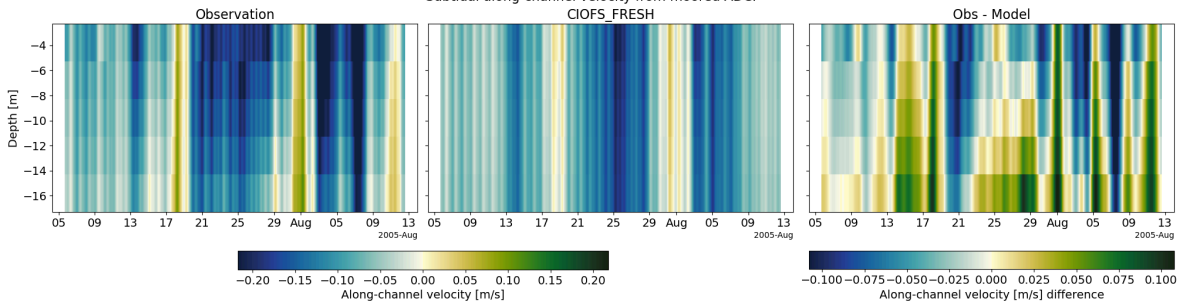
CIOFS_HINDCAST

COI0524: bias: 0.0 corr: 0.8 ioa: 0.9 rmse: 0.0 ss: 0.8 dist: 0.2 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -3.78m lon: -151.71 lat: 59.13 θ_M^{rot} : -2° θ_O^{rot} : 8°
 Subtidal along-channel velocity from moored ADCP



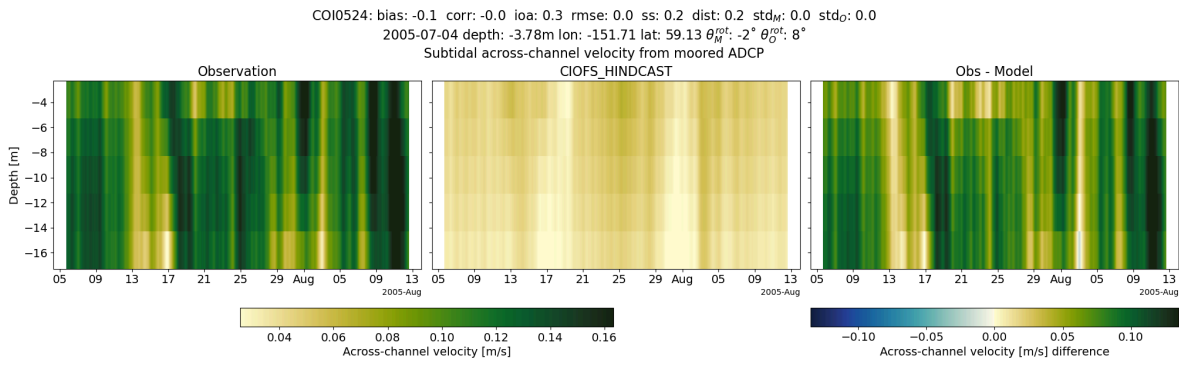
CIOFS_FRESH

COI0524: bias: 0.0 corr: 0.8 ioa: 0.9 rmse: 0.0 ss: 0.8 dist: 0.2 std_M: 0.1 std_O: 0.1
 2005-07-04 depth: -3.78m lon: -151.71 lat: 59.13 θ_M^{rot} : -2° θ_O^{rot} : 8°
 Subtidal along-channel velocity from moored ADCP

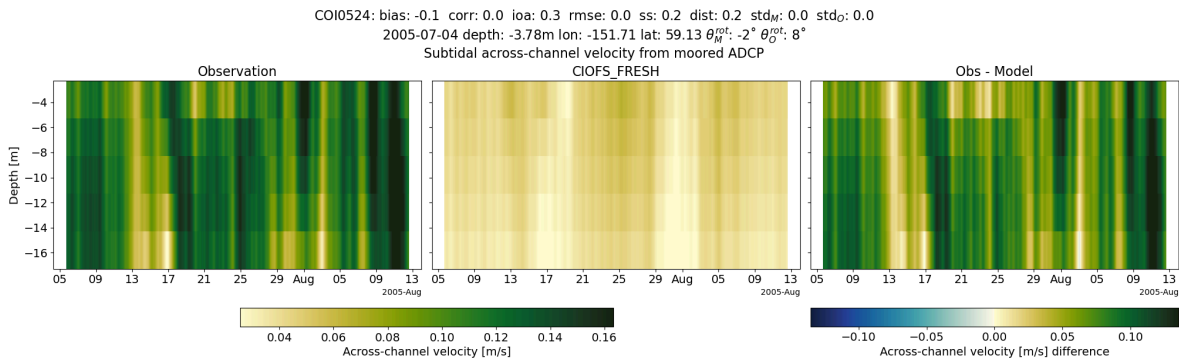


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

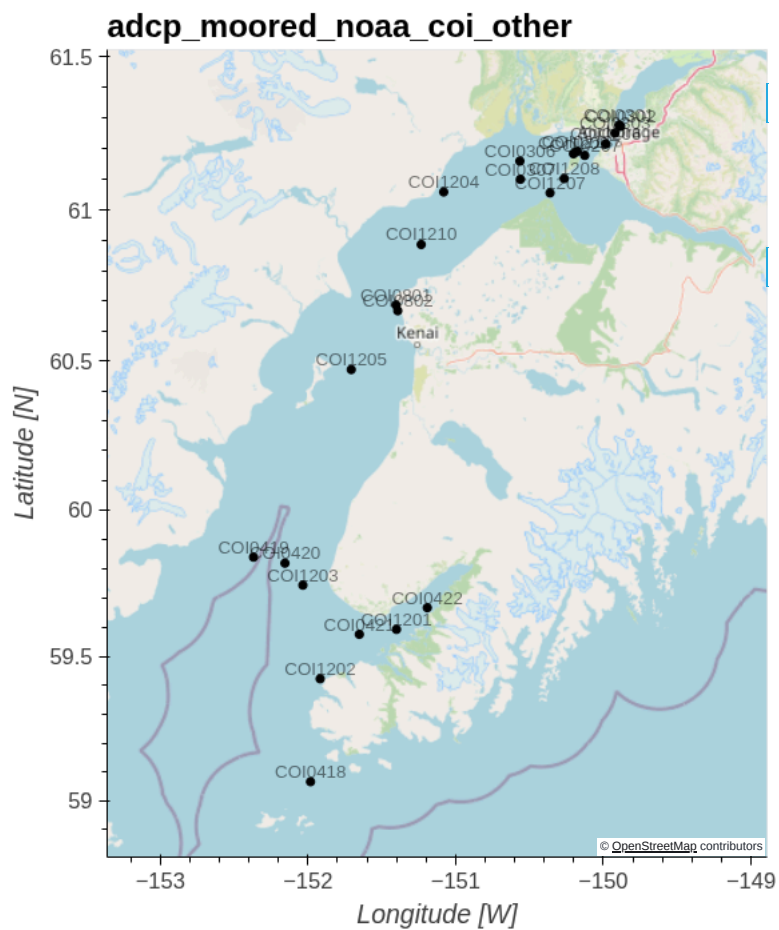


Moored ADCP (NOAA): ADCP survey Cook Inlet, multiple years

- `adcp_moored_noaa_coi_other`

See the original full dataset description page in the [original report](#) for more information or the new [catalog page](#).

Note that the map shows all datasets from the catalog; it is not limited to the current report time periods.

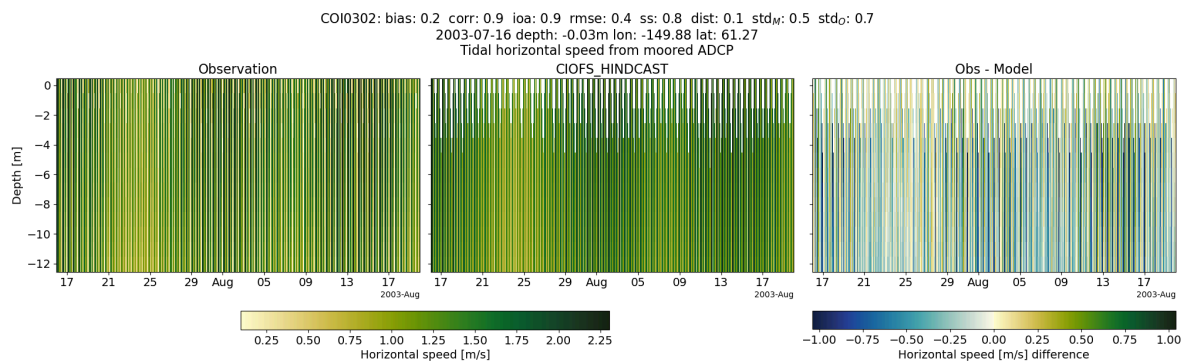


COI0302

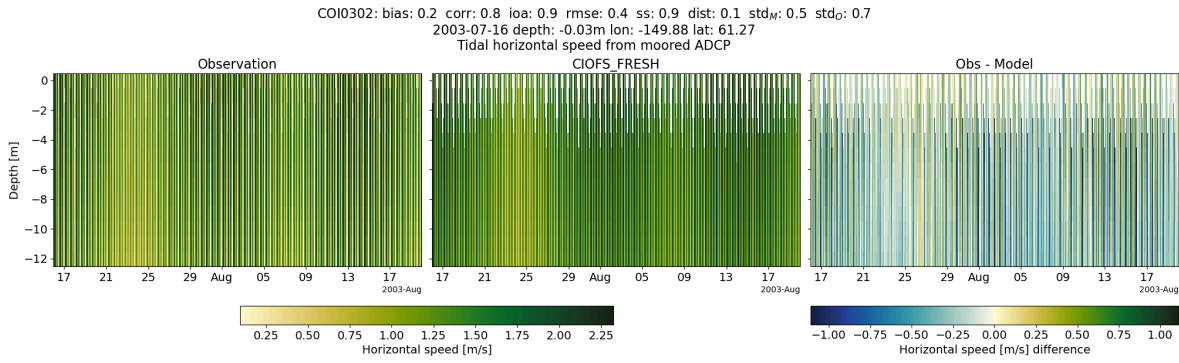
Tidal

Horizontal speed

CIOFS_HINDCAST

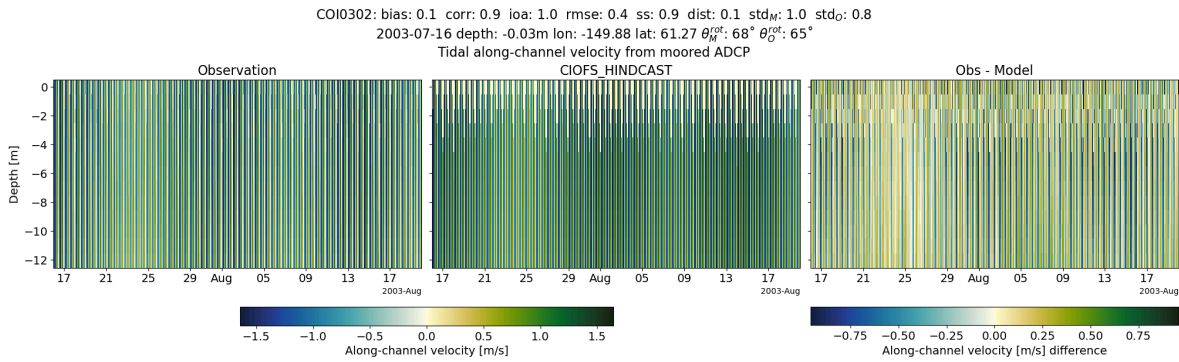


CIOFS_FRESH

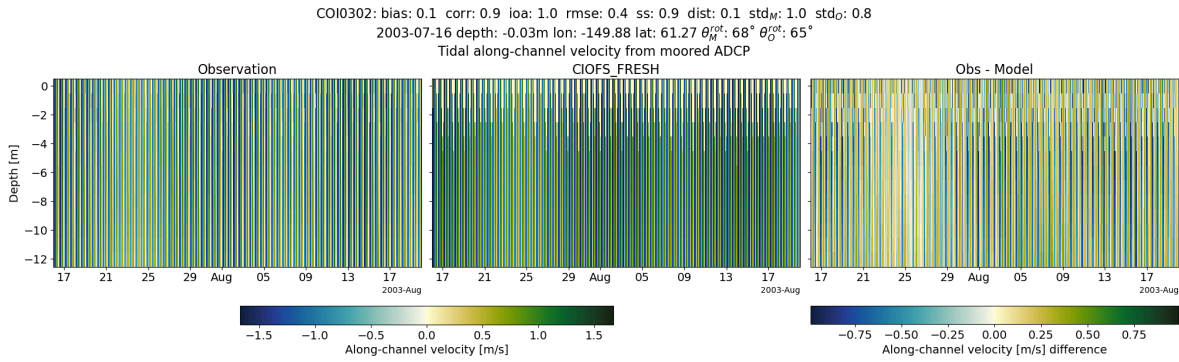


Along-channel velocity

CIOFS_HINDCAST

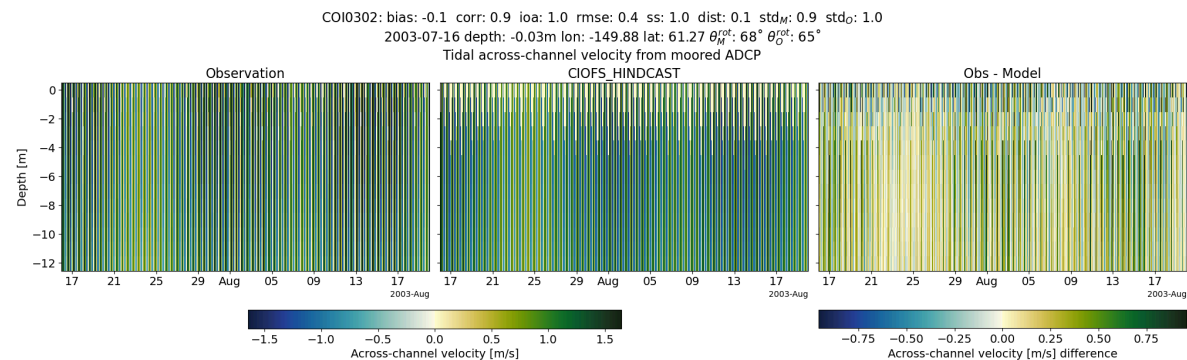


CIOFS_FRESH

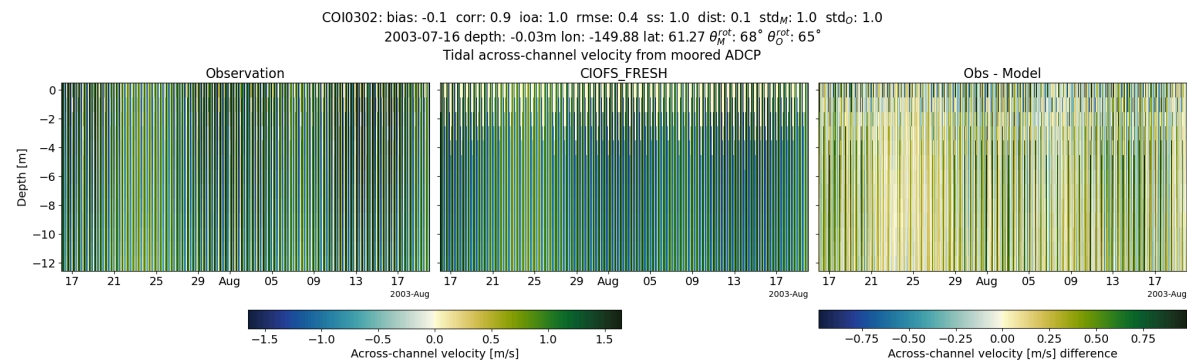


Across-channel velocity

CIOFS_HINDCAST



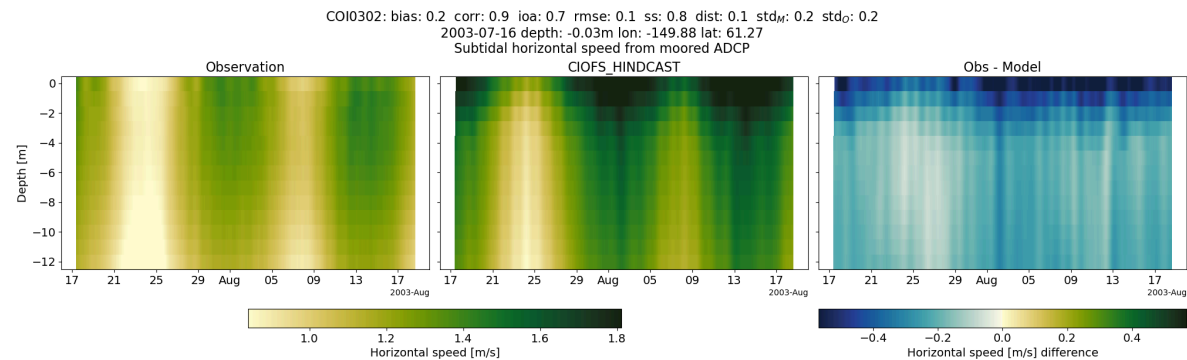
CIOFS_FRESH



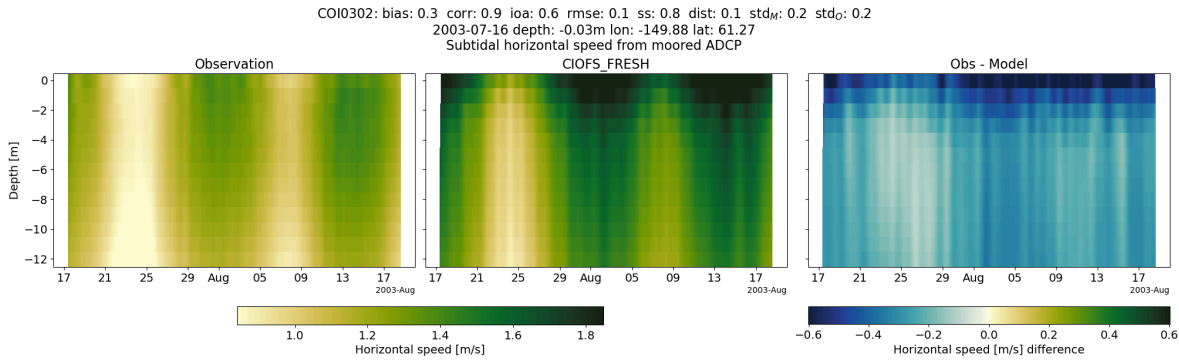
Subtidal

Horizontal speed

CIOFS_HINDCAST

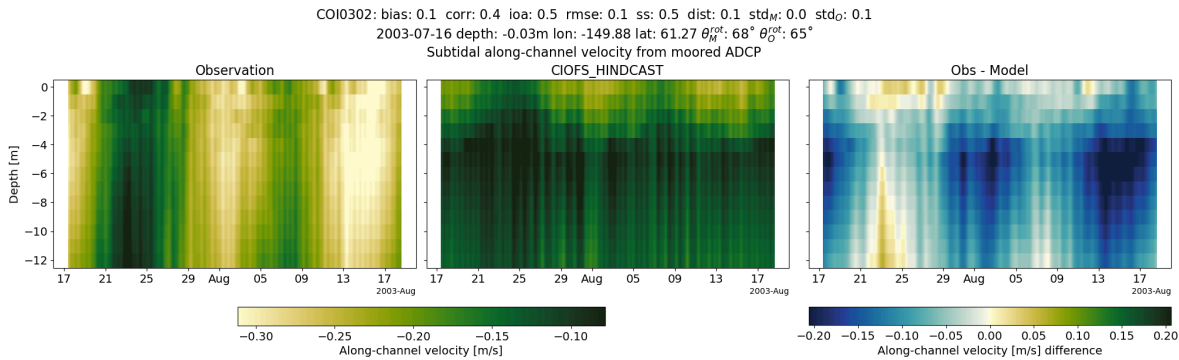


CIOFS_FRESH

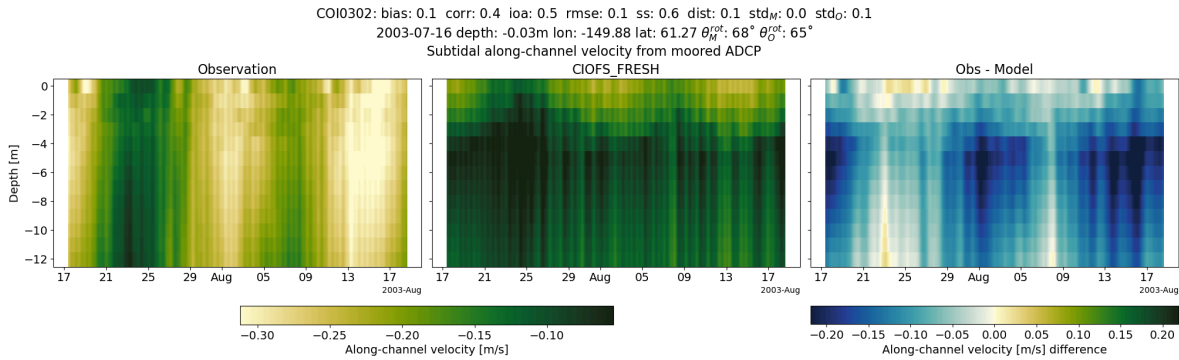


Along-channel velocity

CIOFS_HINDCAST



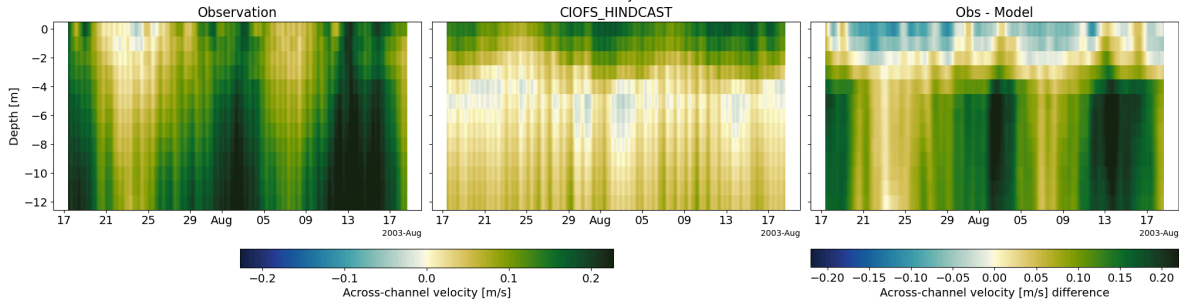
CIOFS_FRESH



Across-channel velocity

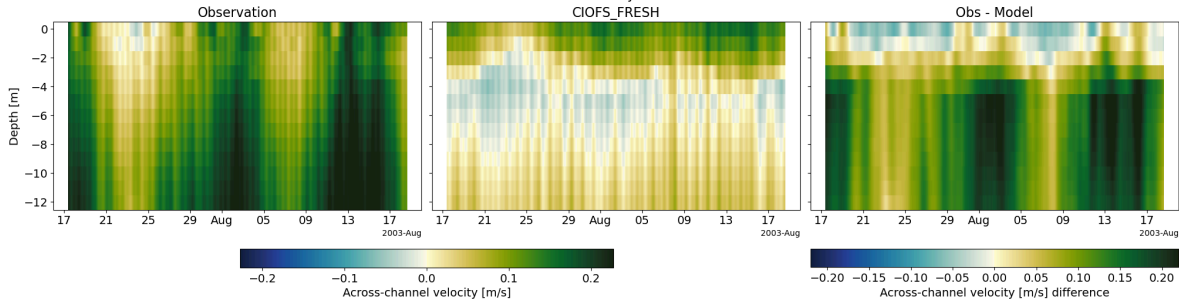
CIOFS_HINDCAST

COI0302: bias: -0.1 corr: -0.1 ioa: 0.4 rmse: 0.1 ss: 0.4 dist: 0.1 std_M: 0.0 std_O: 0.1
2003-07-16 depth: -0.03m lon: -149.88 lat: 61.27 θ_M^{rot} : 68° θ_O^{rot} : 65°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0302: bias: -0.1 corr: 0.0 ioa: 0.4 rmse: 0.1 ss: 0.5 dist: 0.1 std_M: 0.0 std_O: 0.1
2003-07-16 depth: -0.03m lon: -149.88 lat: 61.27 θ_M^{rot} : 68° θ_O^{rot} : 65°
Subtidal across-channel velocity from moored ADCP



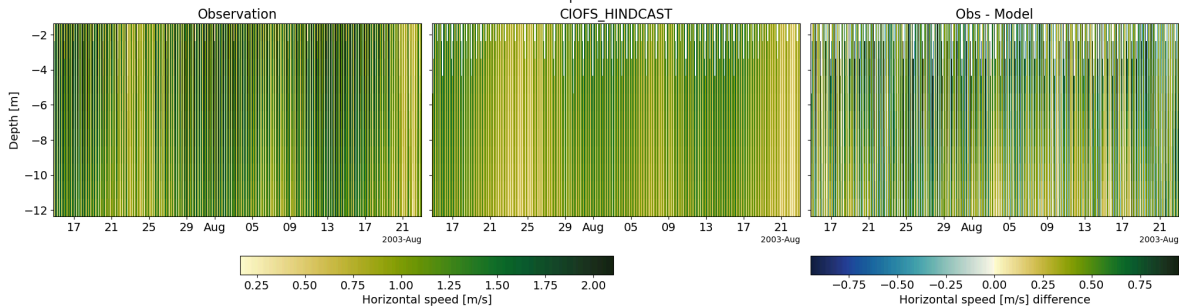
COI0306

Tidal

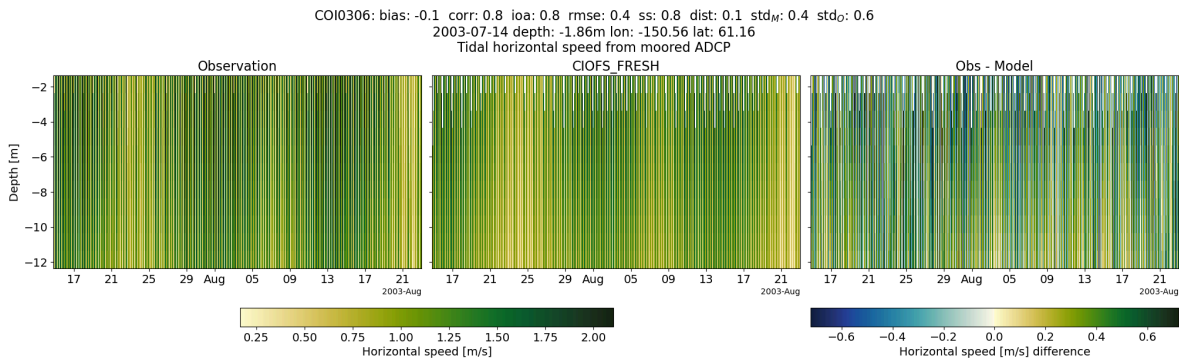
Horizontal speed

CIOFS_HINDCAST

COI0306: bias: -0.2 corr: 0.7 ioa: 0.8 rmse: 0.4 ss: 0.7 dist: 0.1 std_M: 0.4 std_O: 0.6
2003-07-14 depth: -1.86m lon: -150.56 lat: 61.16
Tidal horizontal speed from moored ADCP

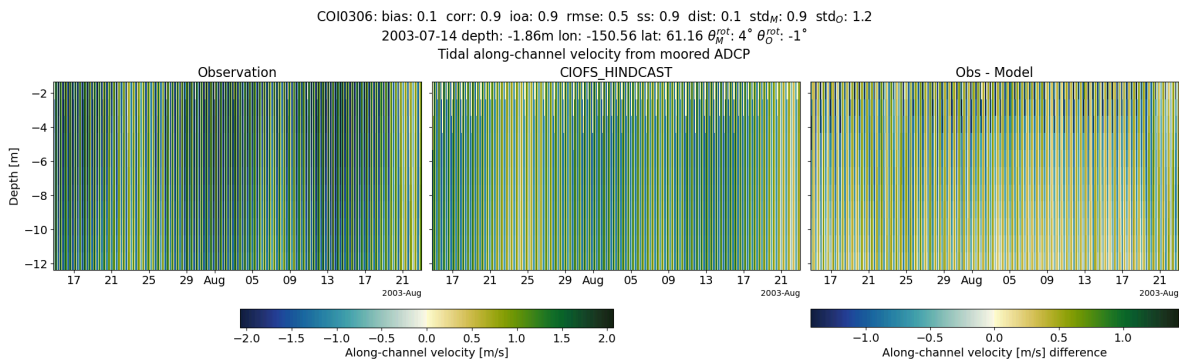


CIOFS_FRESH

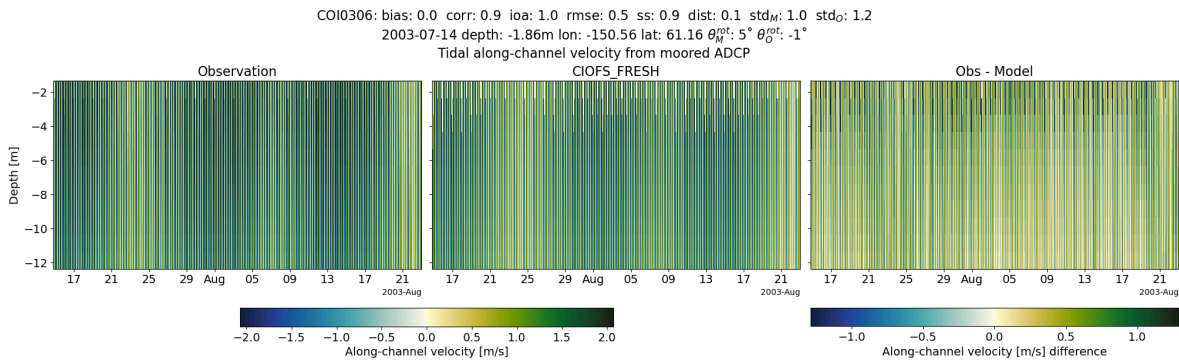


Along-channel velocity

CIOFS_HINDCAST

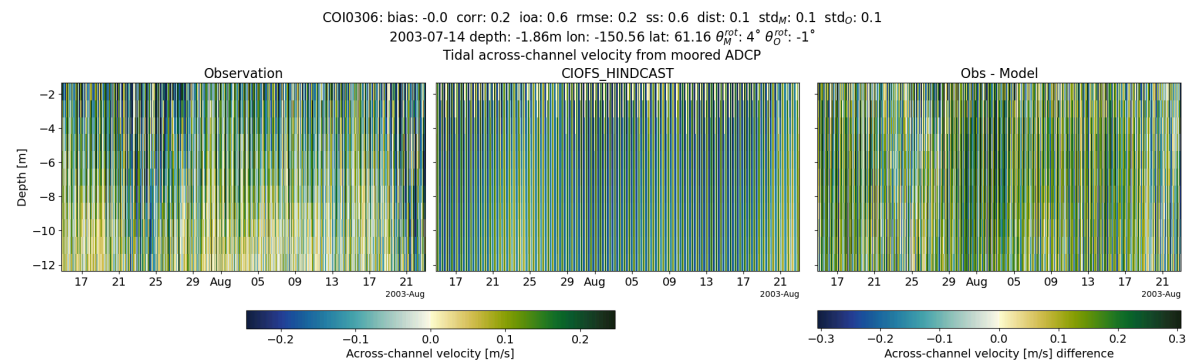


CIOFS_FRESH

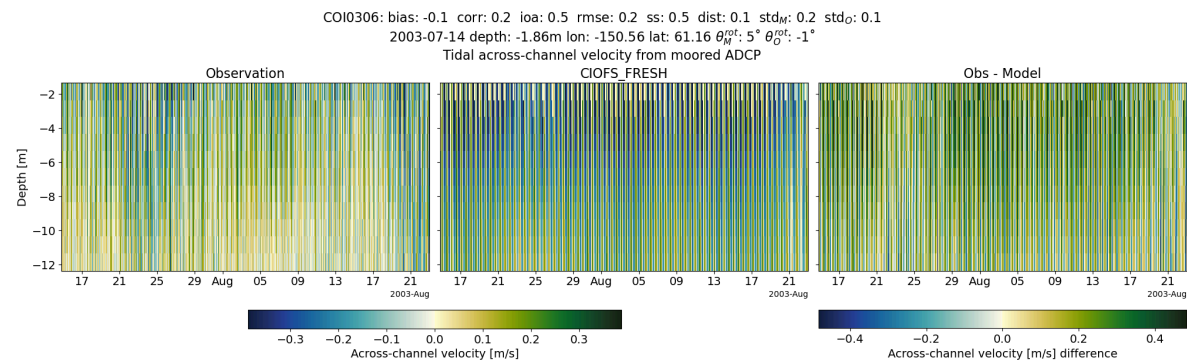


Across-channel velocity

CIOFS_HINDCAST



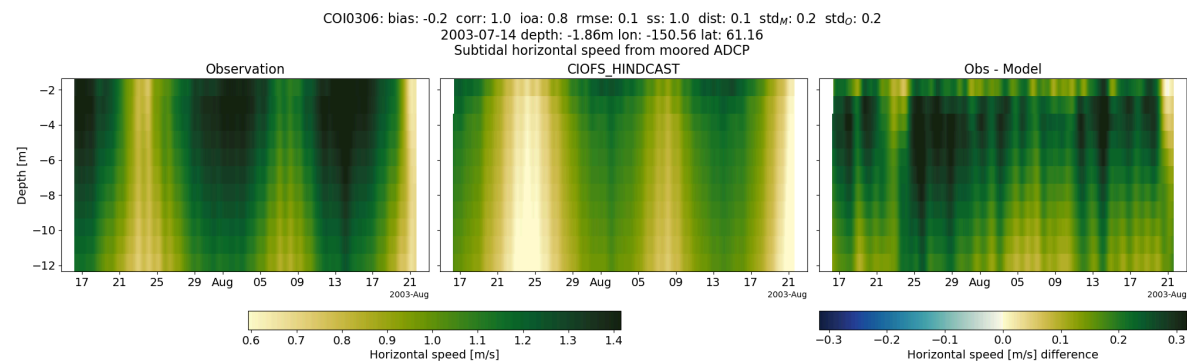
CIOFS_FRESH



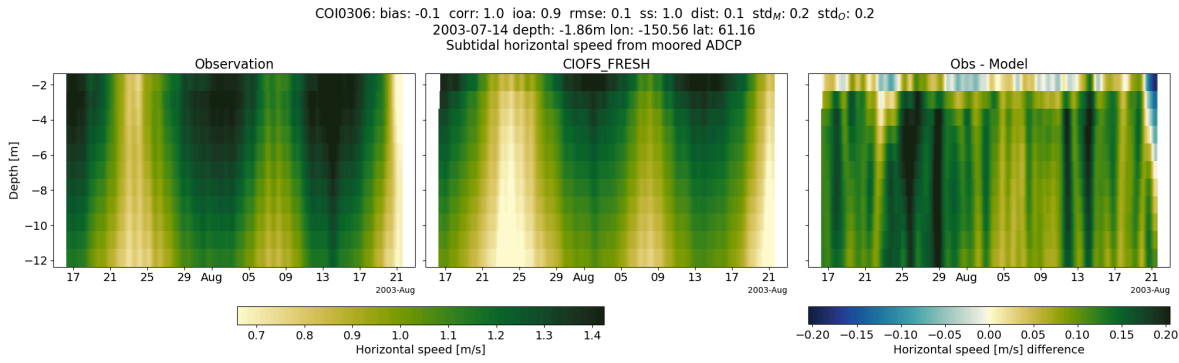
Subtidal

Horizontal speed

CIOFS_HINDCAST

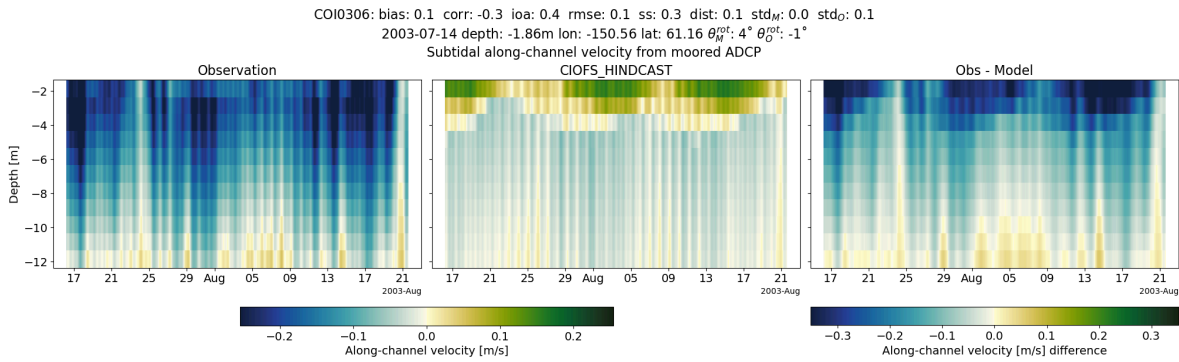


CIOFS_FRESH

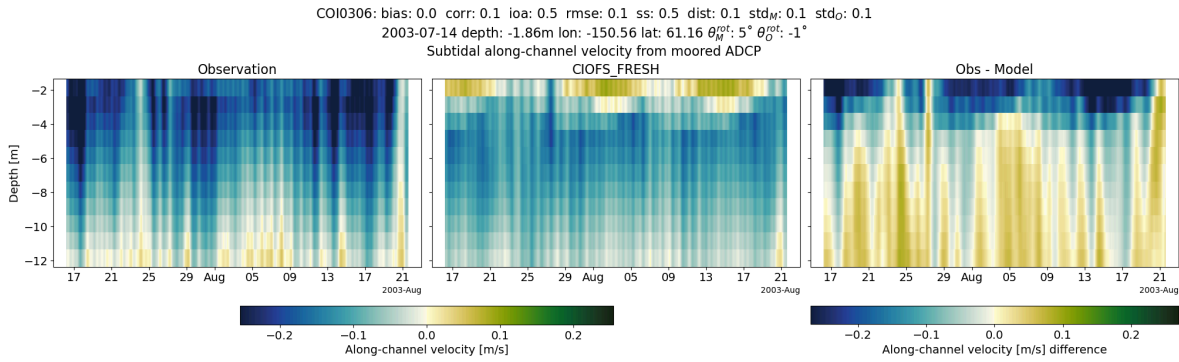


Along-channel velocity

CIOFS_HINDCAST



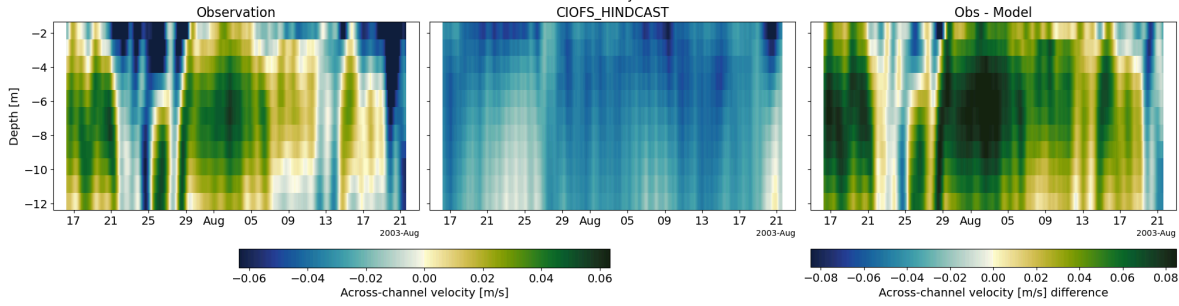
CIOFS_FRESH



Across-channel velocity

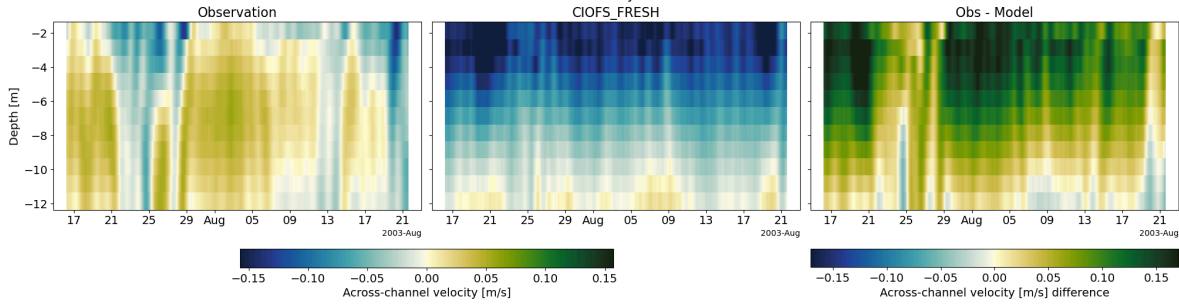
CIOFS_HINDCAST

COI0306: bias: -0.0 corr: -0.1 ioa: 0.4 rmse: 0.0 ss: 0.2 dist: 0.1 std_M: 0.0 std_O: 0.0
2003-07-14 depth: -1.86m lon: -150.56 lat: 61.16 $\theta_M^{90^\circ}$: 4° $\theta_O^{90^\circ}$: -1°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0306: bias: -0.1 corr: 0.3 ioa: 0.4 rmse: 0.1 ss: 0.5 dist: 0.1 std_M: 0.1 std_O: 0.0
2003-07-14 depth: -1.86m lon: -150.56 lat: 61.16 $\theta_M^{90^\circ}$: 5° $\theta_O^{90^\circ}$: -1°
Subtidal across-channel velocity from moored ADCP



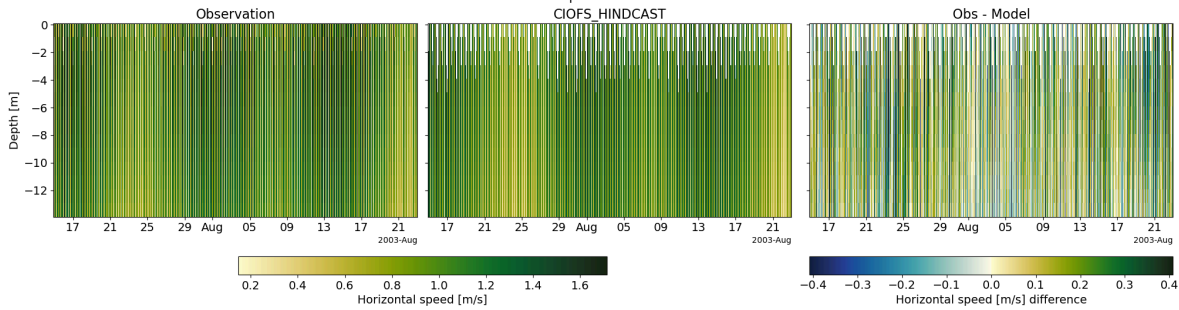
COI0307

Tidal

Horizontal speed

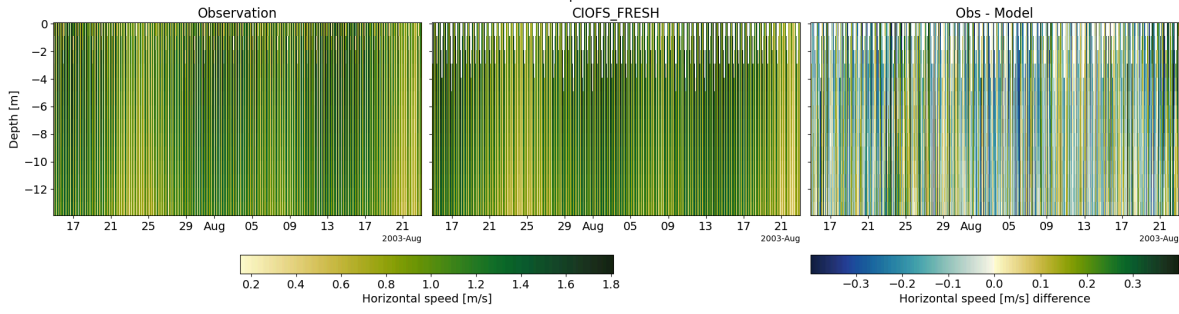
CIOFS_HINDCAST

COI0307: bias: -0.0 corr: 0.9 ioa: 1.0 rmse: 0.2 ss: 0.9 dist: 0.2 std_M: 0.4 std_O: 0.5
2003-07-14 depth: -0.40m lon: -150.56 lat: 61.10
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

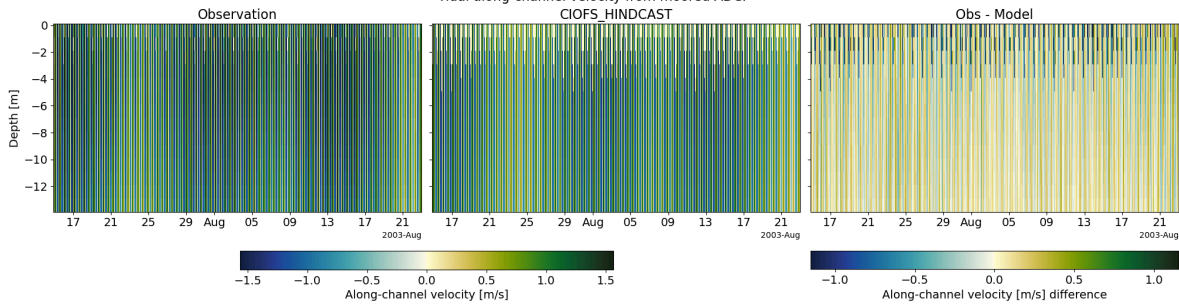
COI0307: bias: 0.0 corr: 0.9 ioa: 1.0 rmse: 0.2 ss: 1.0 dist: 0.2 std_M: 0.4 std_O: 0.5
 2003-07-14 depth: -0.40m lon: -150.56 lat: 61.10
 Tidal horizontal speed from moored ADCP



Along-channel velocity

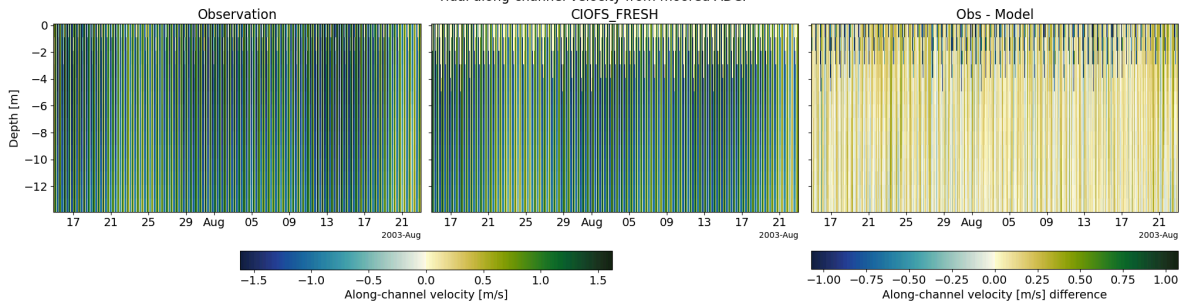
CIOFS_HINDCAST

COI0307: bias: 0.0 corr: 1.0 ioa: 1.0 rmse: 0.3 ss: 0.9 dist: 0.2 std_M: 0.9 std_O: 1.0
 2003-07-14 depth: -0.40m lon: -150.56 lat: 61.10 θ_M^{rot} : 14° θ_O^{rot} : 8°
 Tidal along-channel velocity from moored ADCP



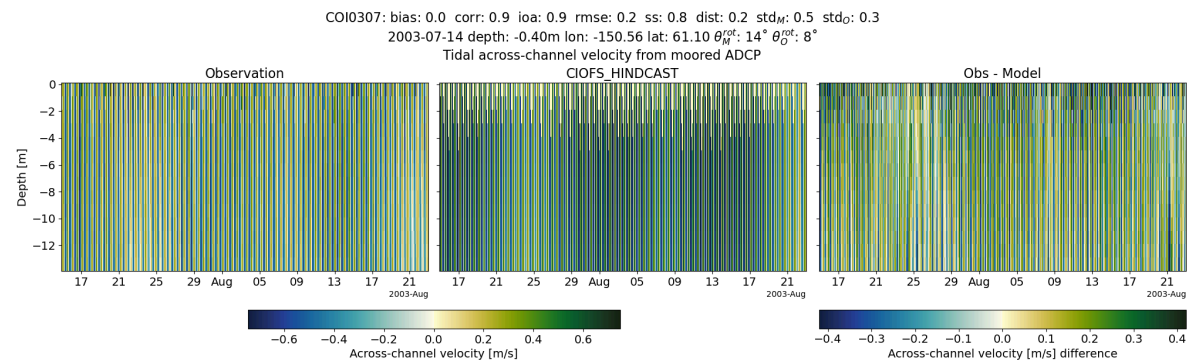
CIOFS_FRESH

COI0307: bias: -0.0 corr: 1.0 ioa: 1.0 rmse: 0.3 ss: 1.0 dist: 0.2 std_M: 0.9 std_O: 1.0
 2003-07-14 depth: -0.40m lon: -150.56 lat: 61.10 θ_M^{rot} : 13° θ_O^{rot} : 8°
 Tidal along-channel velocity from moored ADCP

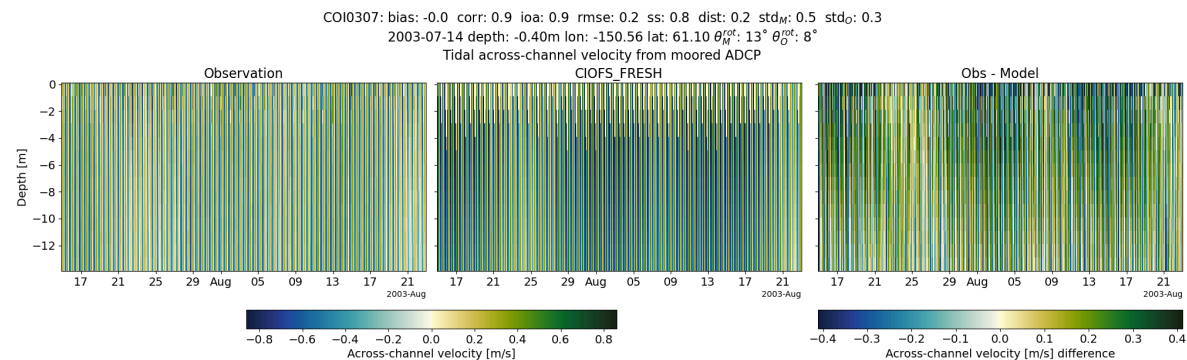


Across-channel velocity

CIOFS_HINDCAST



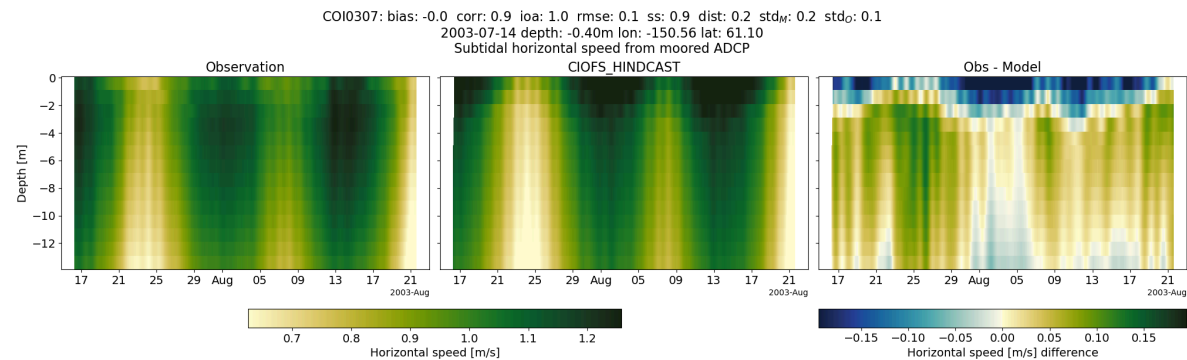
CIOFS_FRESH



Subtidal

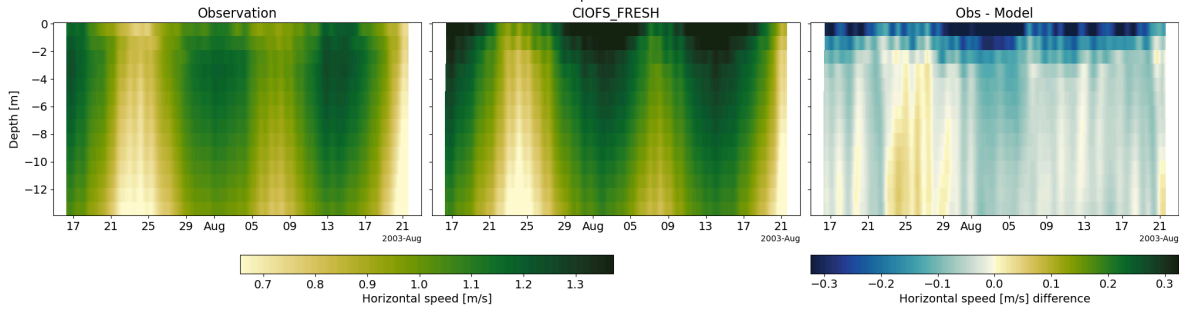
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

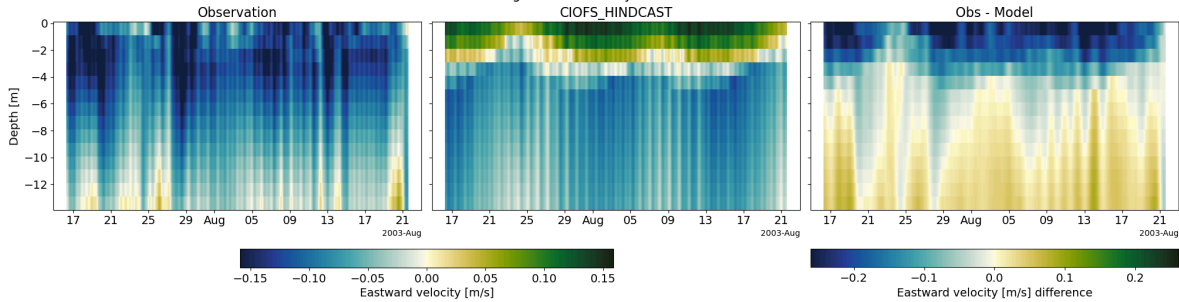
COI0307: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.2 std_M: 0.2 std_O: 0.1
 2003-07-14 depth: -0.40m lon: -150.56 lat: 61.10
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

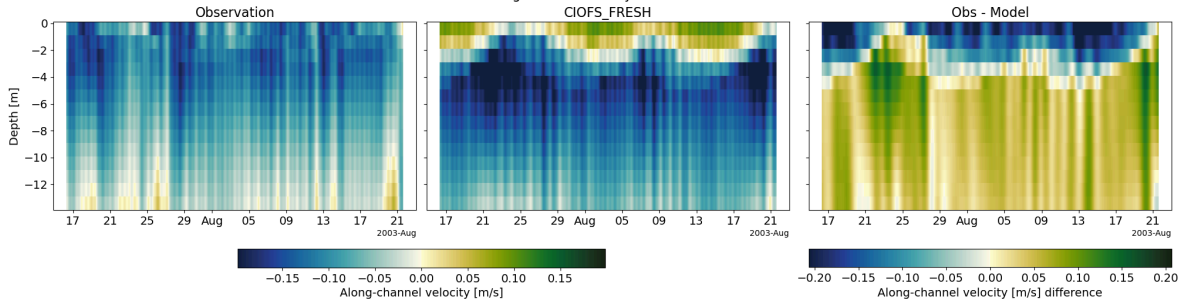
CIOFS_HINDCAST

COI0307: bias: 0.0 corr: -0.3 ioa: 0.2 rmse: 0.1 ss: 0.3 dist: 0.2 std_M: 0.1 std_O: 0.0
 2003-07-14 depth: -0.40m lon: -150.56 lat: 61.10 θ_M^{rot} : 14° θ_O^{rot} : 8°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

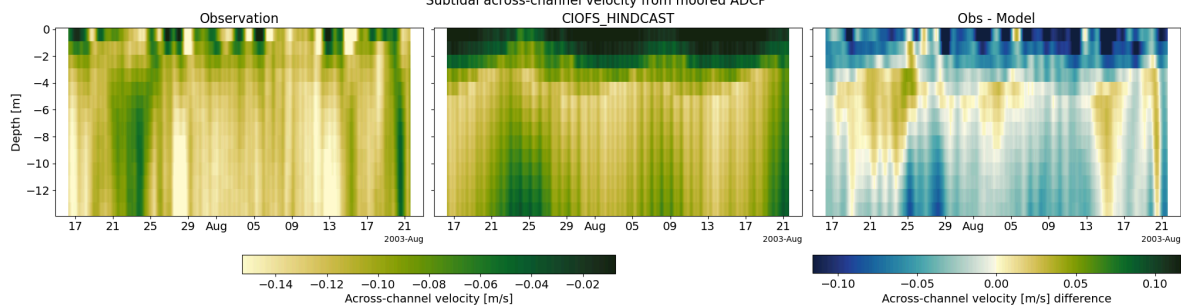
COI0307: bias: -0.0 corr: 0.1 ioa: 0.4 rmse: 0.1 ss: 0.4 dist: 0.2 std_M: 0.1 std_O: 0.0
 2003-07-14 depth: -0.40m lon: -150.56 lat: 61.10 θ_M^{rot} : 13° θ_O^{rot} : 8°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

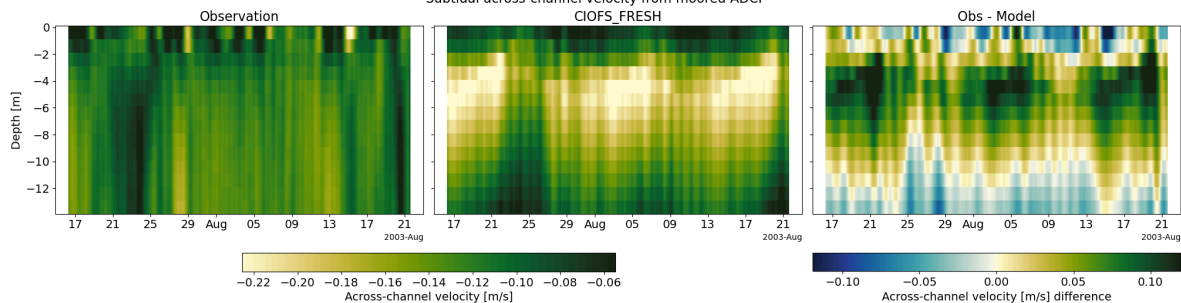
CIOFS_HINDCAST

COI0307: bias: 0.0 corr: 0.5 ioa: 0.6 rmse: 0.0 ss: 0.7 dist: 0.2 std_M : 0.0 std_O : 0.0
2003-07-14 depth: -0.40m lon: -150.56 lat: 61.10 θ_M^{ref} : 14° θ_O^{ref} : 8°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0307: bias: -0.0 corr: 0.3 ioa: 0.4 rmse: 0.0 ss: 0.5 dist: 0.2 std_M : 0.0 std_O : 0.0
2003-07-14 depth: -0.40m lon: -150.56 lat: 61.10 θ_M^{ref} : 13° θ_O^{ref} : 8°
Subtidal across-channel velocity from moored ADCP



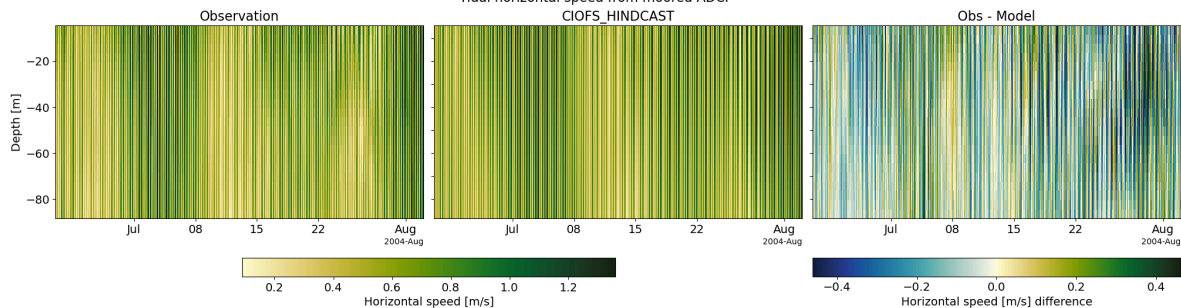
COI0418

Tidal

Horizontal speed

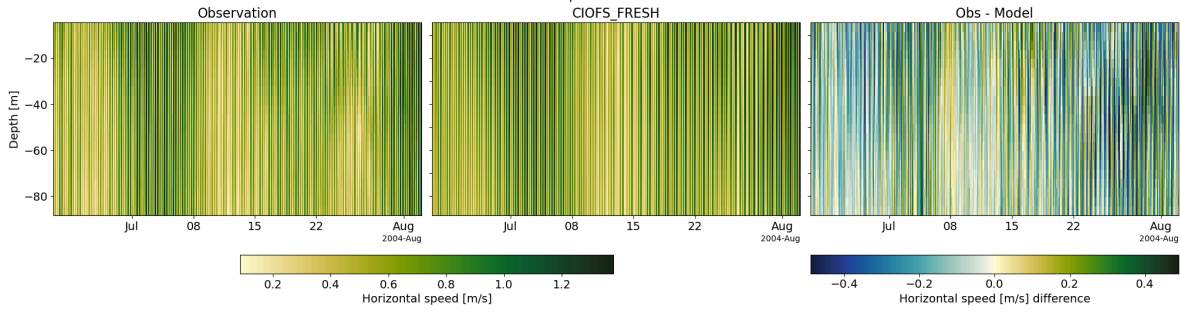
CIOFS_HINDCAST

COI0418: bias: 0.1 corr: 0.8 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.4 std_M : 0.3 std_O : 0.3
2004-06-22 depth: -6.37m lon: -151.98 lat: 59.07
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

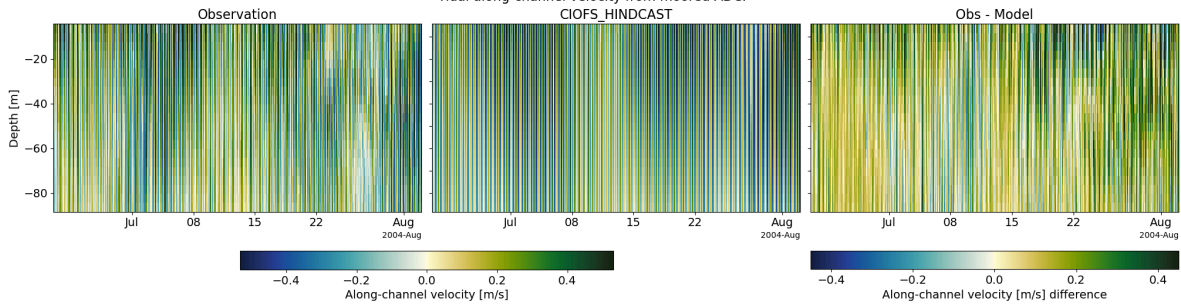
COI0418: bias: 0.1 corr: 0.8 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.4 std_M : 0.3 std_O : 0.3
2004-06-22 depth: -6.37m lon: -151.98 lat: 59.07
Tidal horizontal speed from moored ADCP



Along-channel velocity

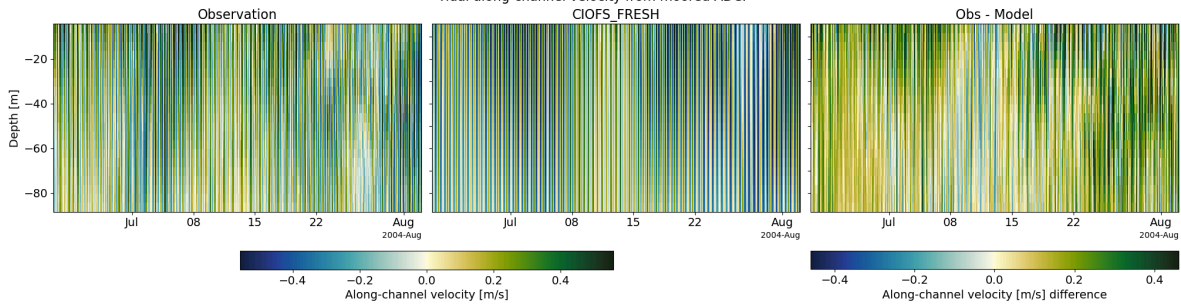
CIOFS_HINDCAST

COI0418: bias: -0.1 corr: 0.8 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.4 std_M : 0.3 std_O : 0.2
2004-06-22 depth: -6.37m lon: -151.98 lat: 59.07 θ_M^{rot} : -34° θ_O^{rot} : -35°
Tidal along-channel velocity from moored ADCP



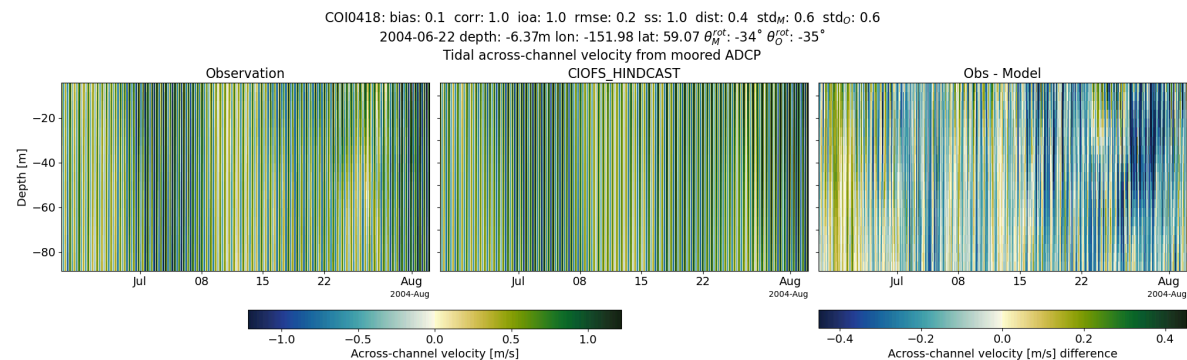
CIOFS_FRESH

COI0418: bias: -0.1 corr: 0.8 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.4 std_M : 0.3 std_O : 0.2
2004-06-22 depth: -6.37m lon: -151.98 lat: 59.07 θ_M^{rot} : -34° θ_O^{rot} : -35°
Tidal along-channel velocity from moored ADCP

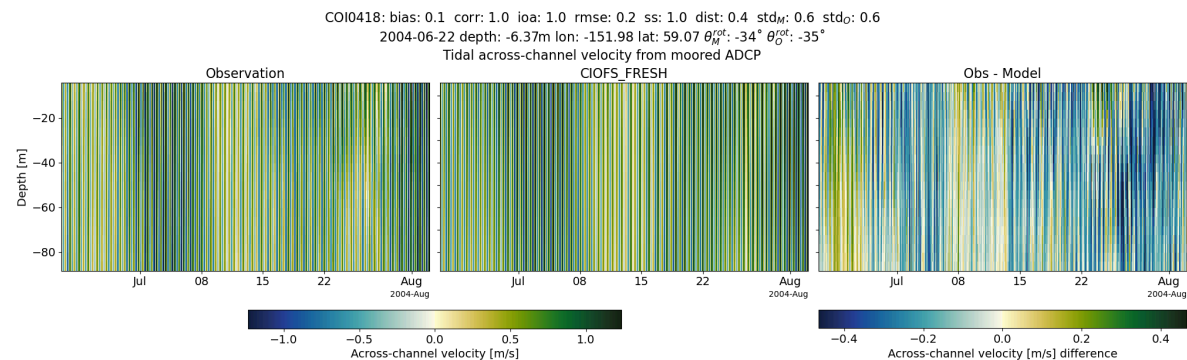


Across-channel velocity

CIOFS_HINDCAST



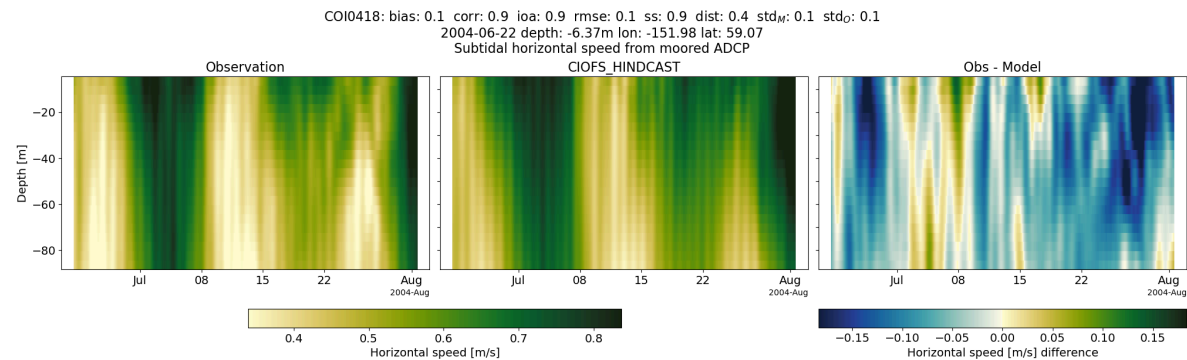
CIOFS_FRESH



Subtidal

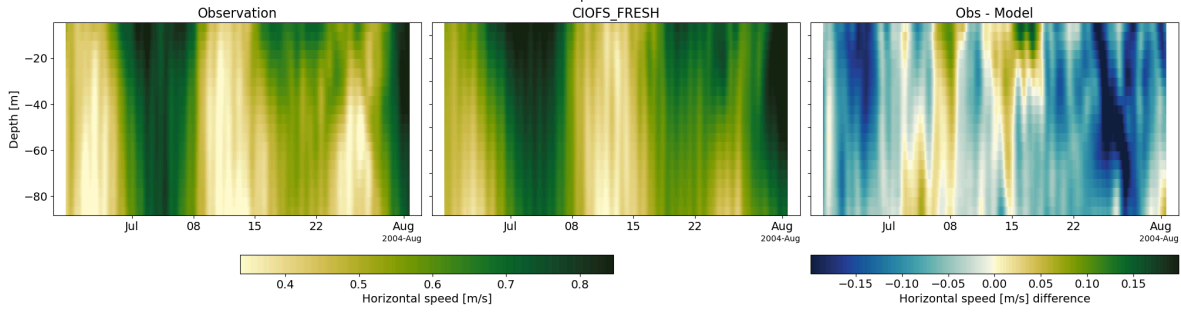
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

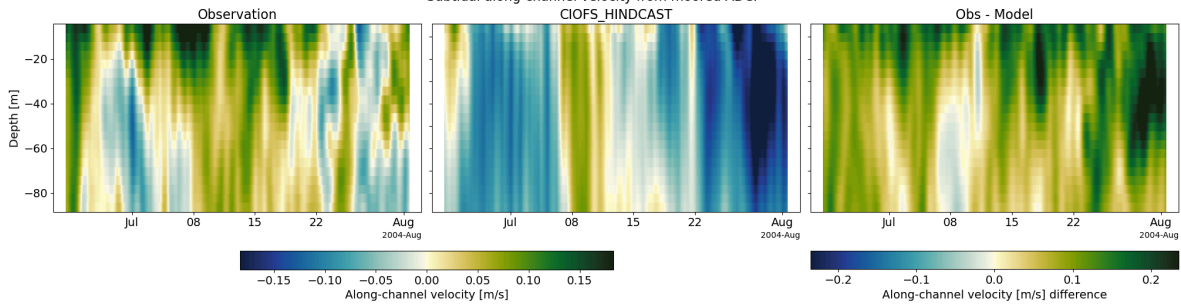
COI0418: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.4 std_M: 0.1 std_O: 0.1
 2004-06-22 depth: -6.37m lon: -151.98 lat: 59.07
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

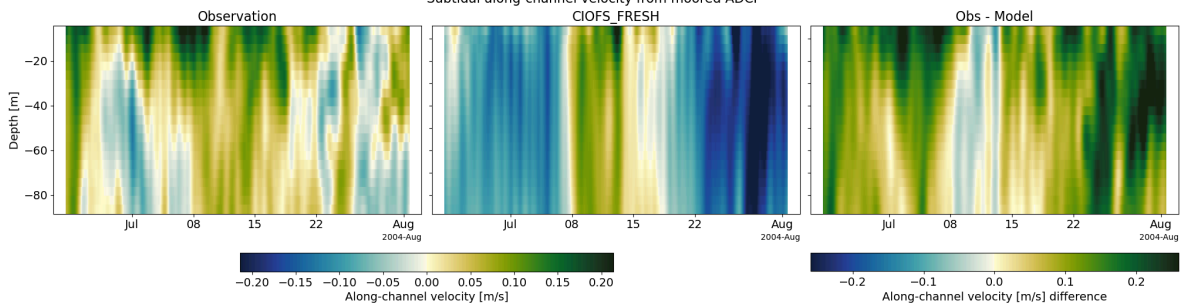
CIOFS_HINDCAST

COI0418: bias: -0.1 corr: 0.5 ioa: 0.5 rmse: 0.1 ss: 0.8 dist: 0.4 std_M: 0.1 std_O: 0.1
 2004-06-22 depth: -6.37m lon: -151.98 lat: 59.07 θ_M^{SC} : -34° θ_O^{SC} : -35°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

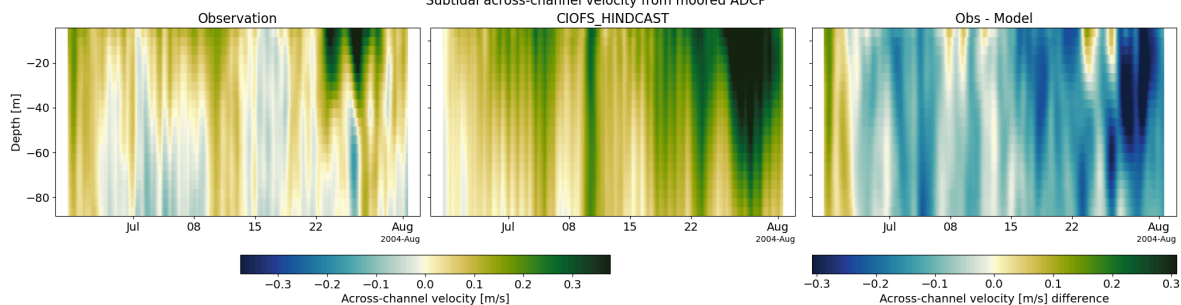
COI0418: bias: -0.1 corr: 0.5 ioa: 0.5 rmse: 0.1 ss: 0.6 dist: 0.4 std_M: 0.1 std_O: 0.1
 2004-06-22 depth: -6.37m lon: -151.98 lat: 59.07 θ_M^{SC} : -34° θ_O^{SC} : -35°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

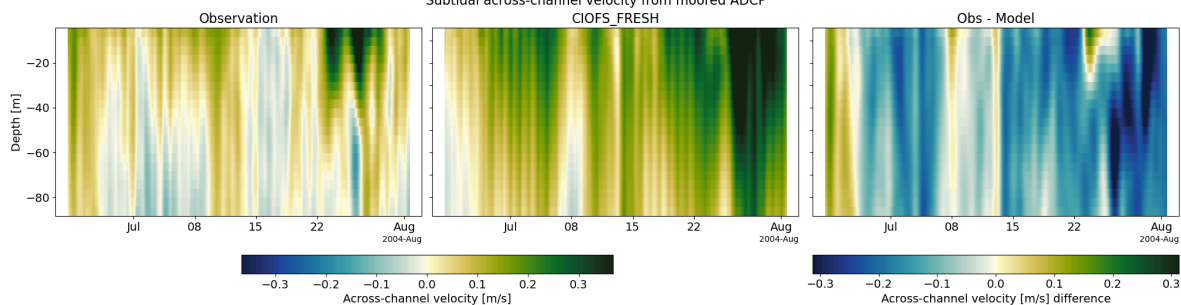
CIOFS_HINDCAST

COI0418: bias: 0.1 corr: 0.5 ioa: 0.6 rmse: 0.1 ss: 0.7 dist: 0.4 std_M: 0.1 std_O: 0.1
2004-06-22 depth: -6.37m lon: -151.98 lat: 59.07 $\theta_M^{2\sigma}$: -34° $\theta_O^{2\sigma}$: -35°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0418: bias: 0.1 corr: 0.4 ioa: 0.5 rmse: 0.1 ss: 0.7 dist: 0.4 std_M: 0.1 std_O: 0.1
2004-06-22 depth: -6.37m lon: -151.98 lat: 59.07 $\theta_M^{2\sigma}$: -34° $\theta_O^{2\sigma}$: -35°
Subtidal across-channel velocity from moored ADCP



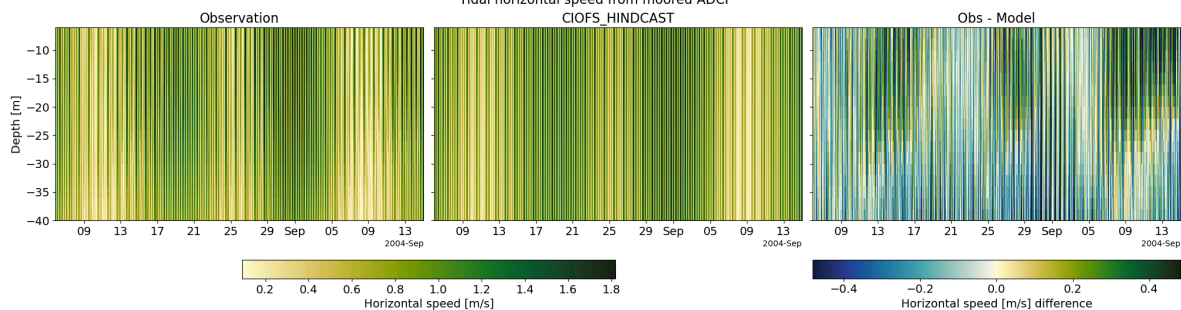
COI0419

Tidal

Horizontal speed

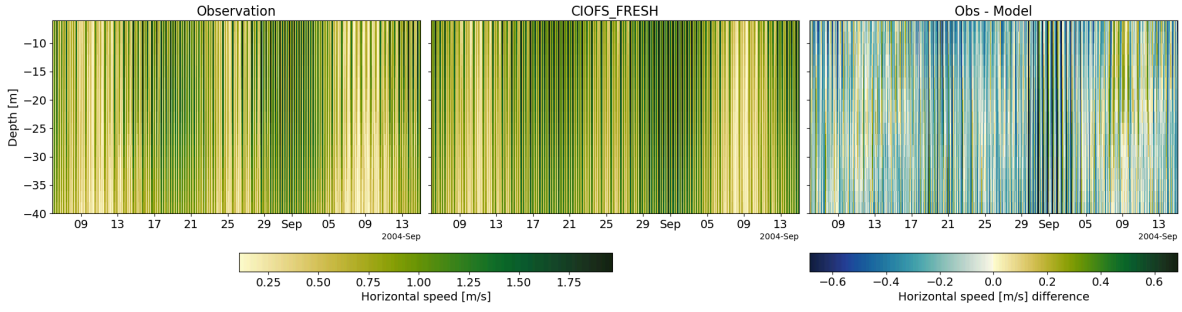
CIOFS_HINDCAST

COI0419: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.3 std_M: 0.5 std_O: 0.5
2004-08-05 depth: -7.01m lon: -152.37 lat: 59.84
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

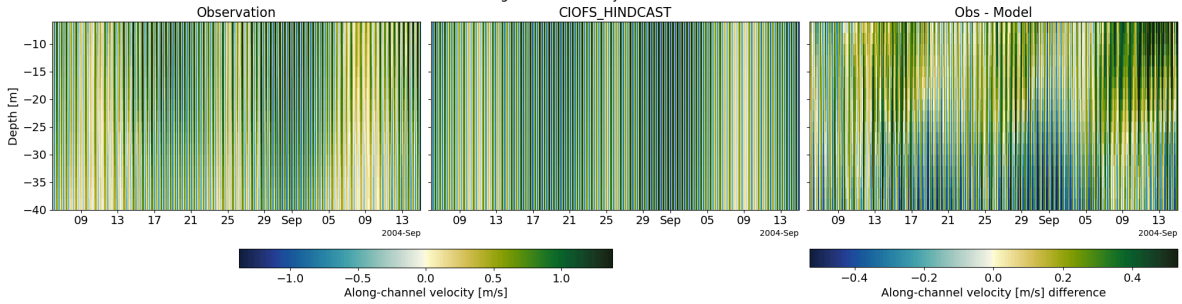
COI0419: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.3 std_M: 0.5 std_O: 0.5
 2004-08-05 depth: -7.01m lon: -152.37 lat: 59.84
 Tidal horizontal speed from moored ADCP



Along-channel velocity

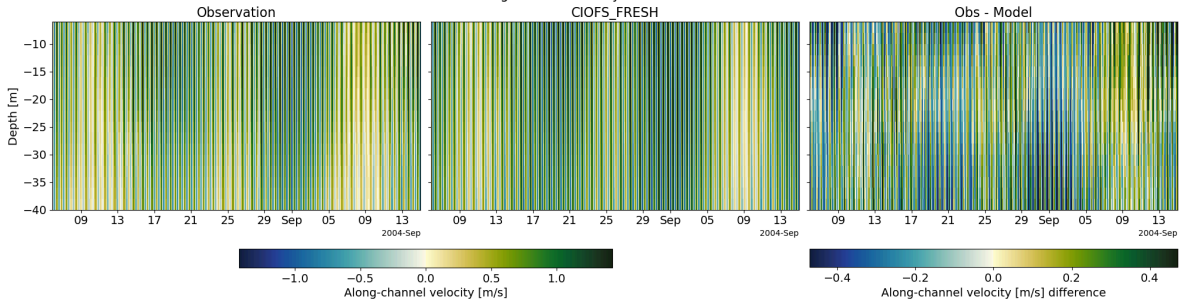
CIOFS_HINDCAST

COI0419: bias: -0.1 corr: 0.9 ioa: 1.0 rmse: 0.2 ss: 0.9 dist: 0.3 std_M: 0.7 std_O: 0.6
 2004-08-05 depth: -7.01m lon: -152.37 lat: 59.84 θ_M^{dt} : 70° θ_O^{dt} : 66°
 Tidal along-channel velocity from moored ADCP



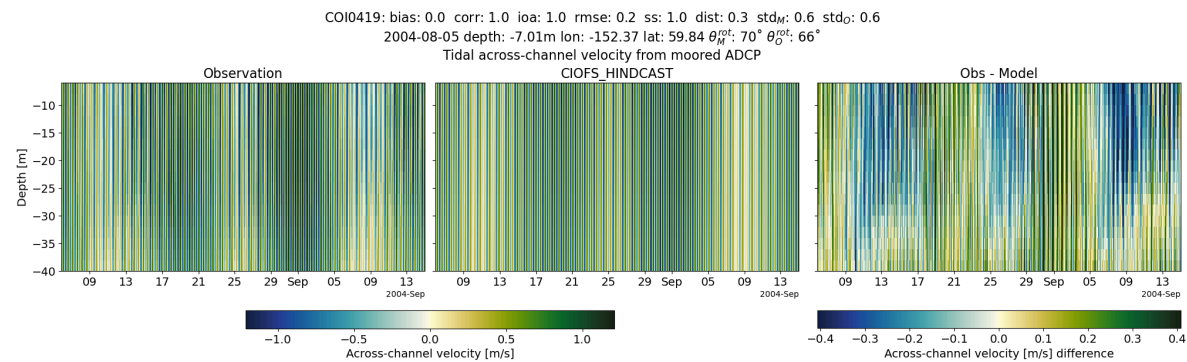
CIOFS_FRESH

COI0419: bias: 0.0 corr: 0.9 ioa: 1.0 rmse: 0.2 ss: 0.9 dist: 0.3 std_M: 0.7 std_O: 0.6
 2004-08-05 depth: -7.01m lon: -152.37 lat: 59.84 θ_M^{dt} : 67° θ_O^{dt} : 66°
 Tidal along-channel velocity from moored ADCP

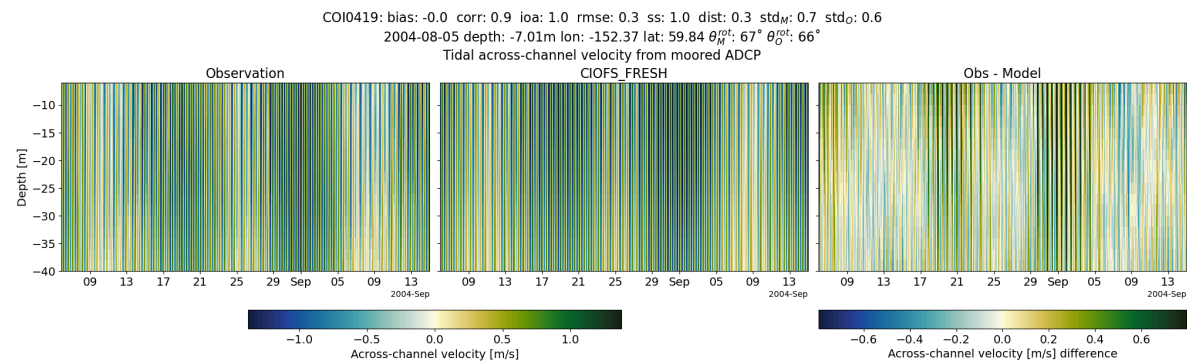


Across-channel velocity

CIOFS_HINDCAST



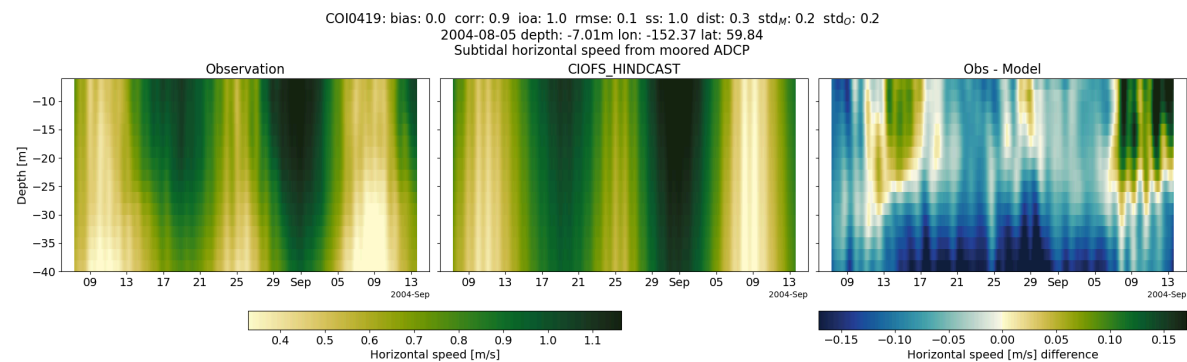
CIOFS_FRESH



Subtidal

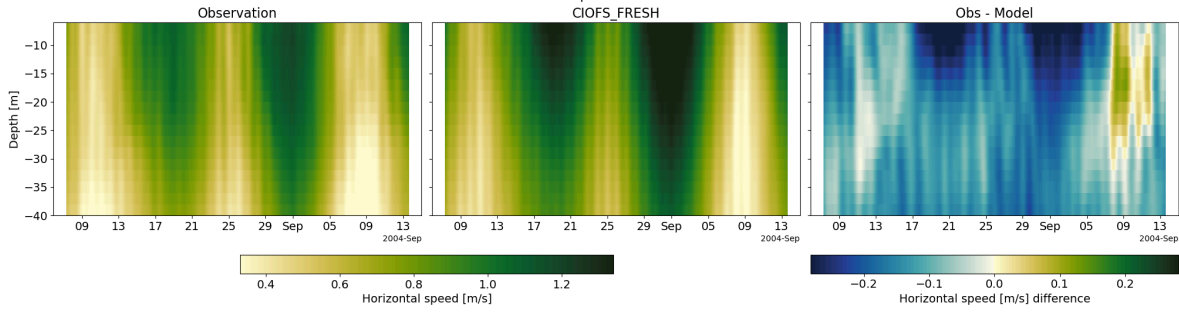
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

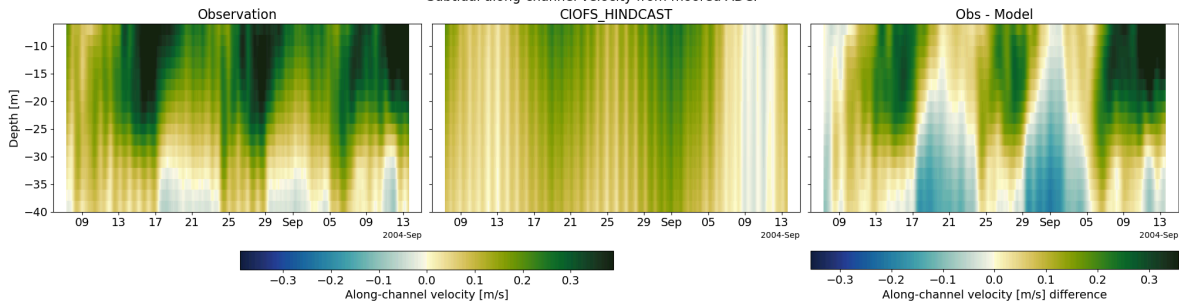
COI0419: bias: 0.1 corr: 1.0 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.3 std_M: 0.3 std_O: 0.2
 2004-08-05 depth: -7.01m lon: -152.37 lat: 59.84
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

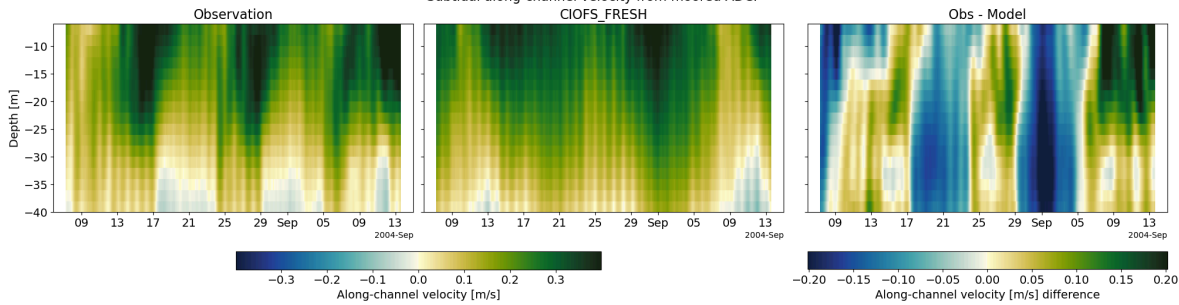
CIOFS_HINDCAST

COI0419: bias: -0.1 corr: 0.1 ioa: 0.5 rmse: 0.1 ss: 0.4 dist: 0.3 std_M: 0.1 std_O: 0.1
 2004-08-05 depth: -7.01m lon: -152.37 lat: 59.84 θ_M^{ot} : 70° θ_O^{ot} : 66°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

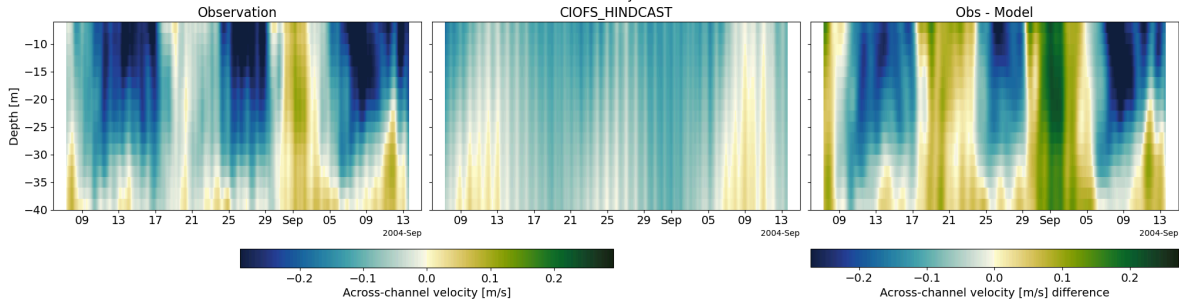
COI0419: bias: 0.0 corr: 0.6 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.3 std_M: 0.1 std_O: 0.1
 2004-08-05 depth: -7.01m lon: -152.37 lat: 59.84 θ_M^{ot} : 67° θ_O^{ot} : 66°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

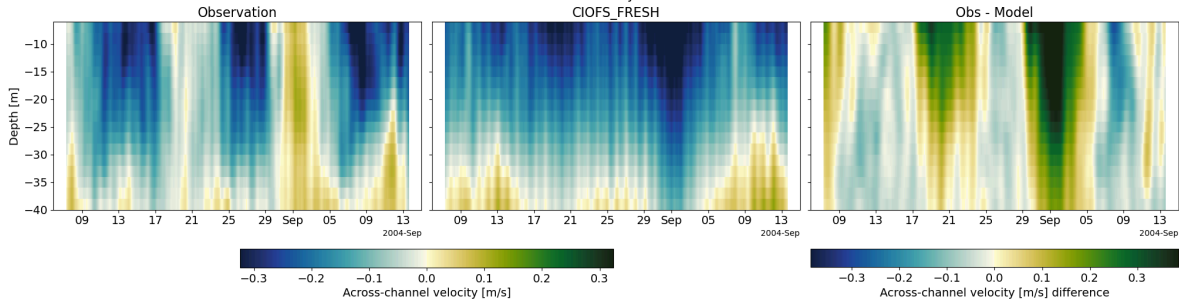
CIOFS_HINDCAST

COI0419: bias: 0.0 corr: -0.1 ioa: 0.3 rmse: 0.1 ss: 0.2 dist: 0.3 std_M: 0.0 std_O: 0.1
2004-08-05 depth: -7.01m lon: -152.37 lat: 59.84 θ_M^{gt} : 70° θ_O^{gt} : 66°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0419: bias: -0.0 corr: 0.3 ioa: 0.6 rmse: 0.1 ss: 0.6 dist: 0.3 std_M: 0.1 std_O: 0.1
2004-08-05 depth: -7.01m lon: -152.37 lat: 59.84 θ_M^{gt} : 67° θ_O^{gt} : 66°
Subtidal across-channel velocity from moored ADCP



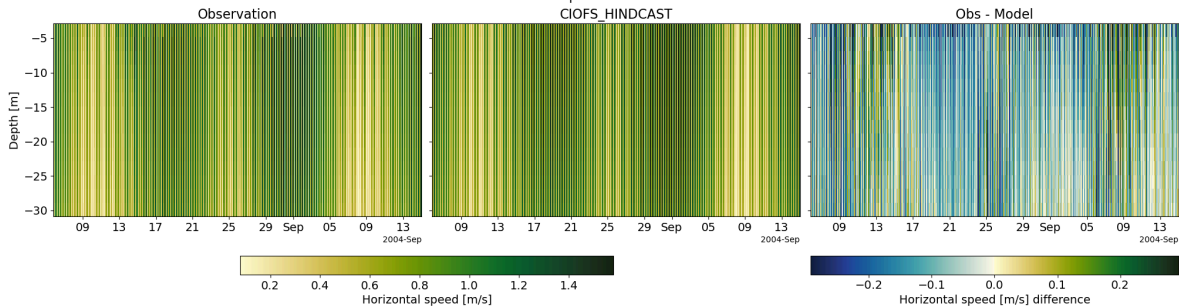
COI0420

Tidal

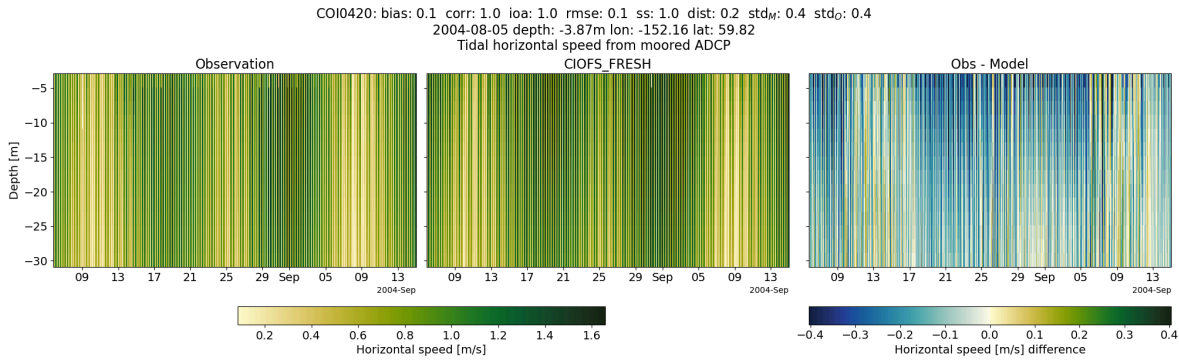
Horizontal speed

CIOFS_HINDCAST

COI0420: bias: 0.1 corr: 1.0 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.4 std_O: 0.4
2004-08-05 depth: -3.87m lon: -152.16 lat: 59.82
Tidal horizontal speed from moored ADCP

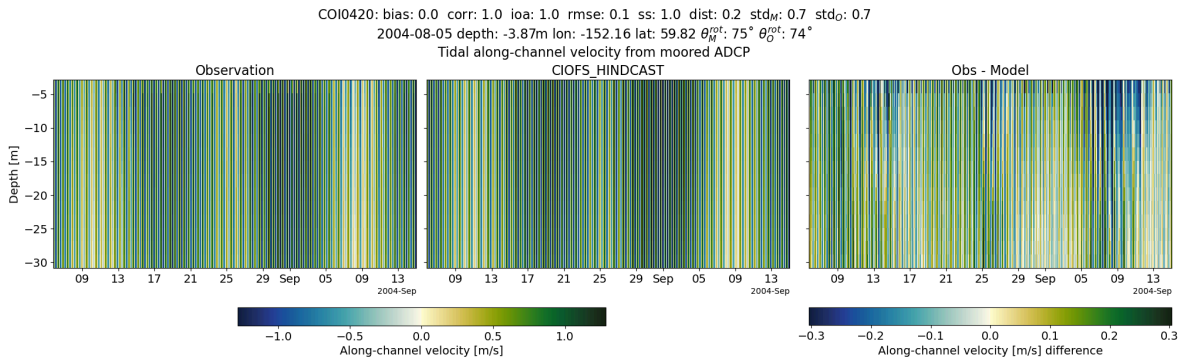


CIOFS_FRESH

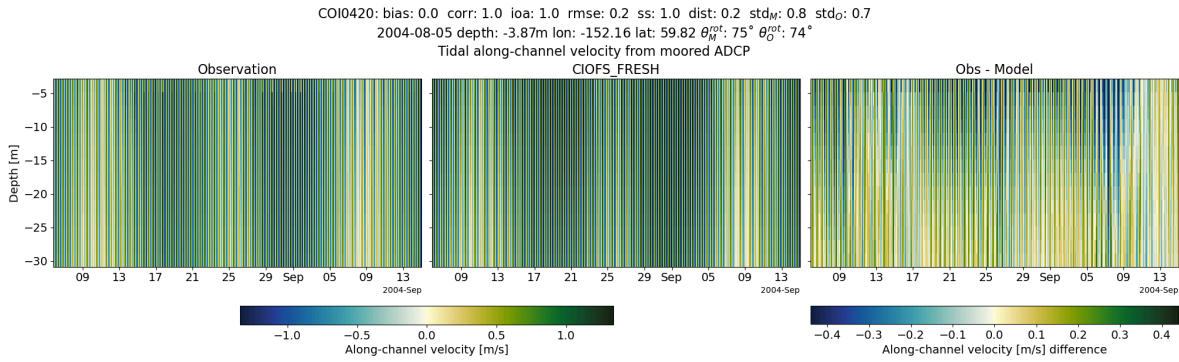


Along-channel velocity

CIOFS_HINDCAST



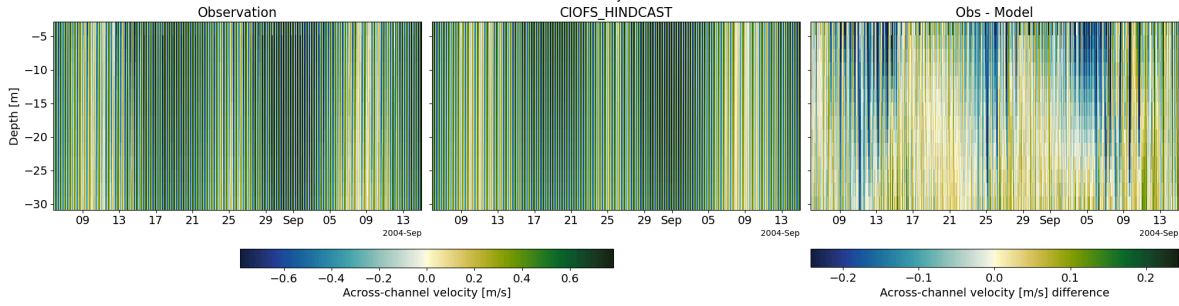
CIOFS_FRESH



Across-channel velocity

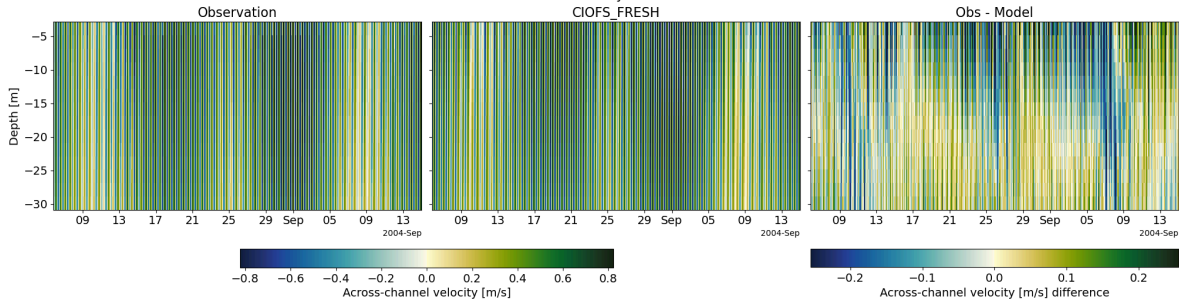
CIOFS_HINDCAST

COI0420: bias: 0.0 corr: 1.0 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.4 std_O: 0.4
2004-08-05 depth: -3.87m lon: -152.16 lat: 59.82 θ_M^{gt} : 75° θ_O^{gt} : 74°
Tidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0420: bias: 0.0 corr: 1.0 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.5 std_O: 0.4
2004-08-05 depth: -3.87m lon: -152.16 lat: 59.82 θ_M^{gt} : 75° θ_O^{gt} : 74°
Tidal across-channel velocity from moored ADCP

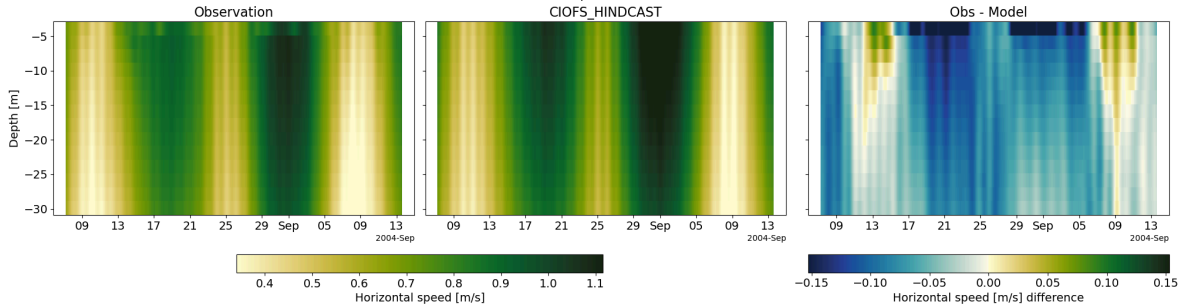


Subtidal

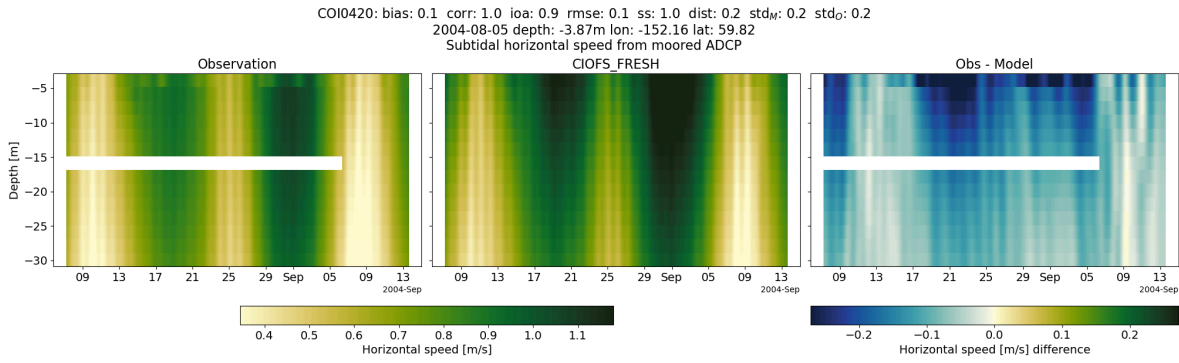
Horizontal speed

CIOFS_HINDCAST

COI0420: bias: 0.1 corr: 1.0 ioa: 1.0 rmse: 0.0 ss: 1.0 dist: 0.2 std_M: 0.2 std_O: 0.2
2004-08-05 depth: -3.87m lon: -152.16 lat: 59.82
Subtidal horizontal speed from moored ADCP

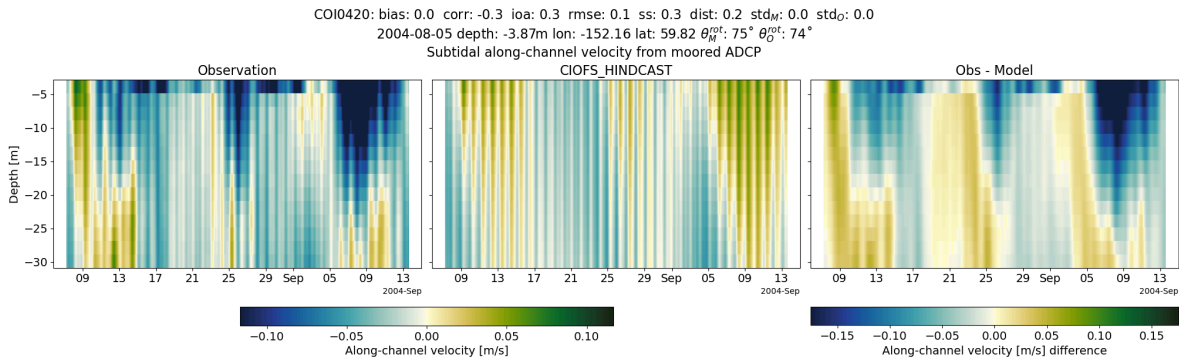


CIOFS_FRESH

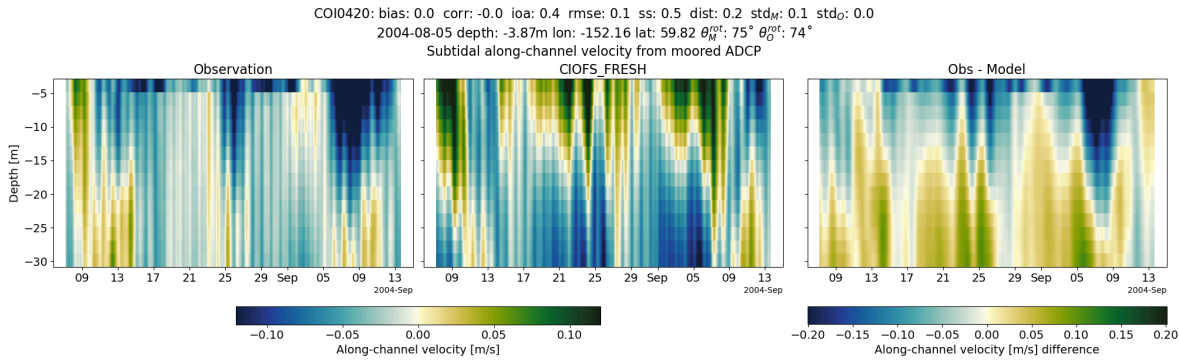


Along-channel velocity

CIOFS_HINDCAST



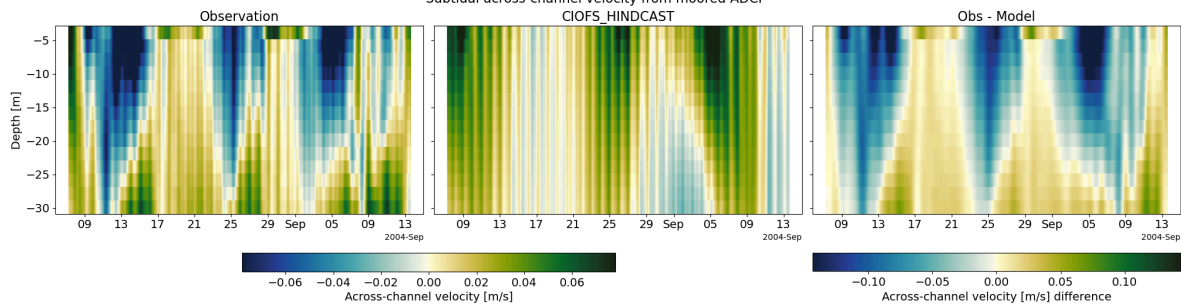
CIOFS_FRESH



Across-channel velocity

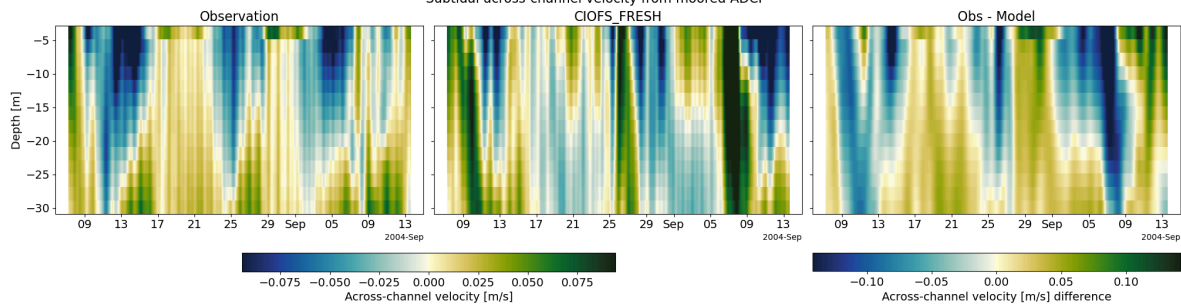
CIOFS_HINDCAST

COI0420: bias: 0.0 corr: -0.3 ioa: 0.3 rmse: 0.0 ss: 0.3 dist: 0.2 std_M: 0.0 std_O: 0.0
2004-08-05 depth: -3.87m lon: -152.16 lat: 59.82 θ_M^{gt} : 75° θ_O^{gt} : 74°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0420: bias: 0.0 corr: 0.1 ioa: 0.4 rmse: 0.1 ss: 0.5 dist: 0.2 std_M: 0.0 std_O: 0.0
2004-08-05 depth: -3.87m lon: -152.16 lat: 59.82 θ_M^{gt} : 75° θ_O^{gt} : 74°
Subtidal across-channel velocity from moored ADCP



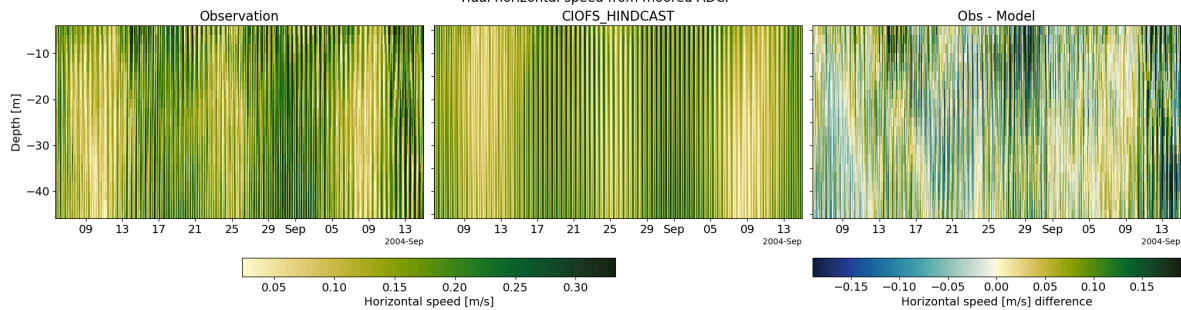
COI0421

Tidal

Horizontal speed

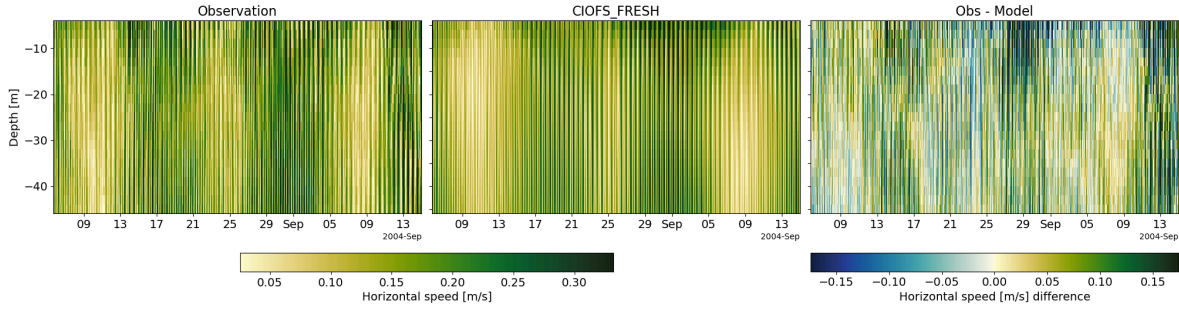
CIOFS_HINDCAST

COI0421: bias: -0.0 corr: 0.6 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.0 std_M: 0.1 std_O: 0.1
2004-08-05 depth: -4.94m lon: -151.65 lat: 59.58
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

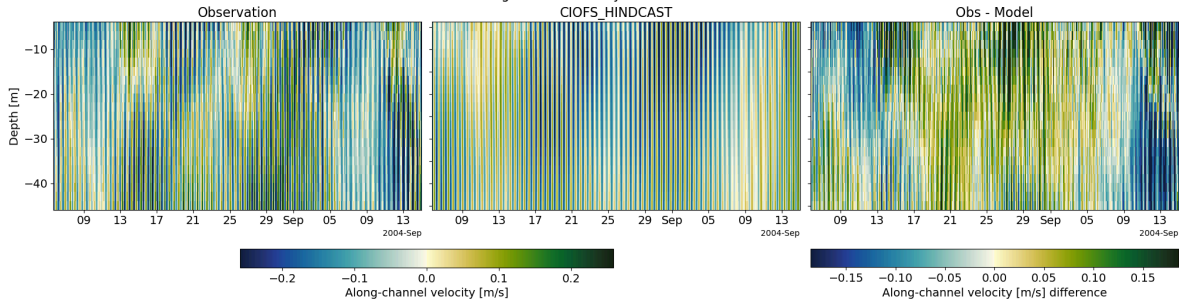
COI0421: bias: -0.0 corr: 0.6 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.0 std_M: 0.1 std_O: 0.1
2004-08-05 depth: -4.94m lon: -151.65 lat: 59.58
Tidal horizontal speed from moored ADCP



Along-channel velocity

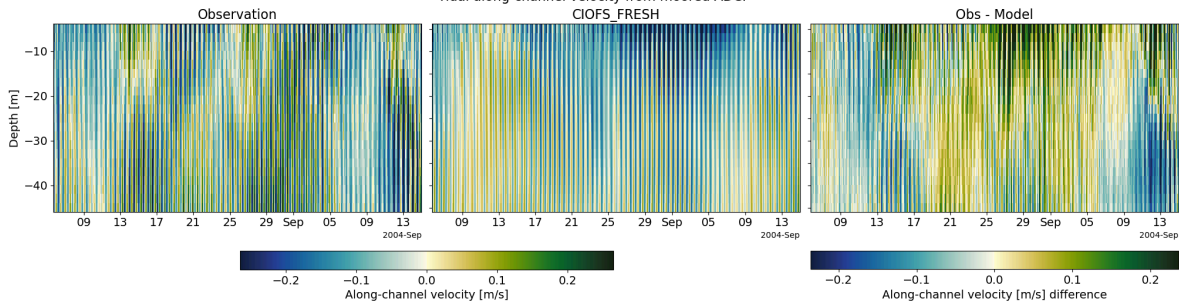
CIOFS_HINDCAST

COI0421: bias: 0.0 corr: 0.7 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.0 std_M: 0.1 std_O: 0.1
2004-08-05 depth: -4.94m lon: -151.65 lat: 59.58 θ_M^{pt} : 26° θ_O^{pt} : 27°
Tidal along-channel velocity from moored ADCP



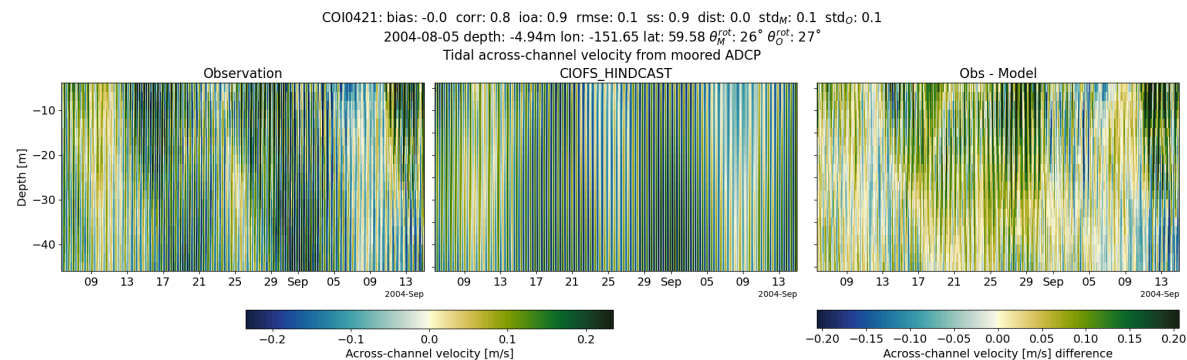
CIOFS_FRESH

COI0421: bias: -0.0 corr: 0.6 ioa: 0.7 rmse: 0.1 ss: 0.7 dist: 0.0 std_M: 0.1 std_O: 0.1
2004-08-05 depth: -4.94m lon: -151.65 lat: 59.58 θ_M^{pt} : 30° θ_O^{pt} : 27°
Tidal along-channel velocity from moored ADCP

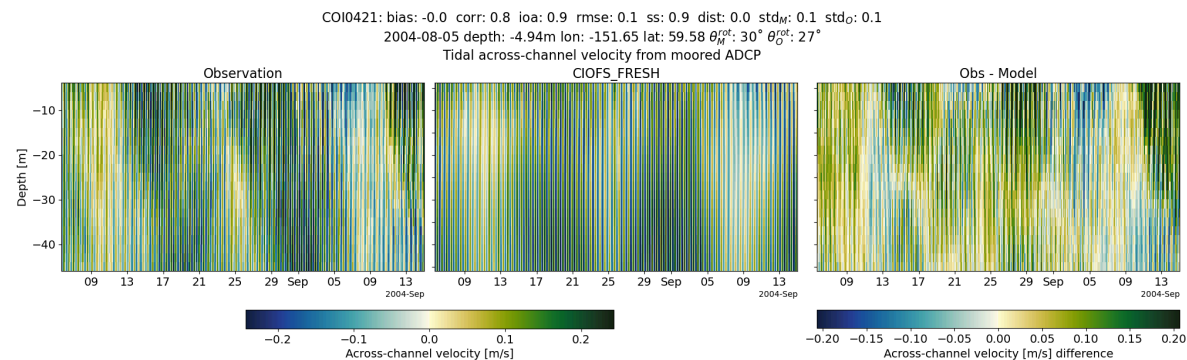


Across-channel velocity

CIOFS_HINDCAST



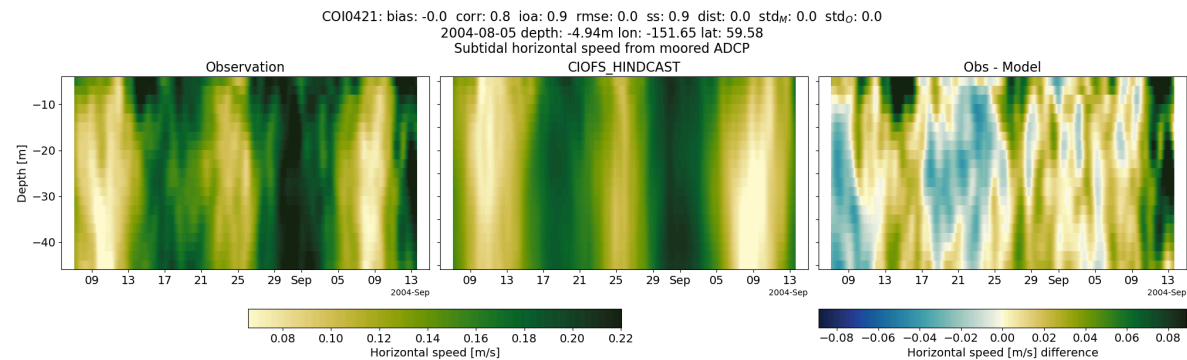
CIOFS_FRESH



Subtidal

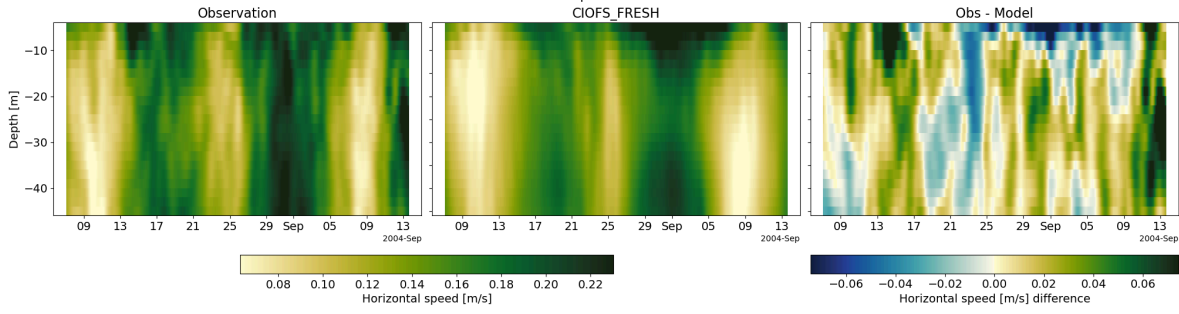
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

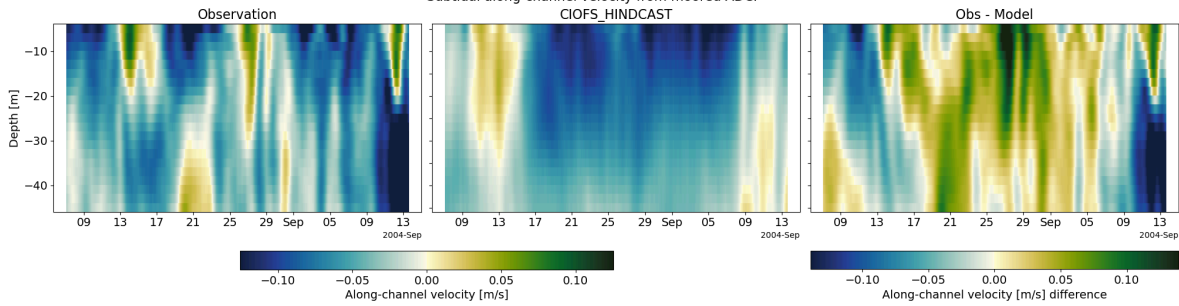
COI0421: bias: -0.0 corr: 0.8 ioa: 0.9 rmse: 0.0 ss: 0.9 dist: 0.0 std_M: 0.0 std_O: 0.0
 2004-08-05 depth: -4.94m lon: -151.65 lat: 59.58
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

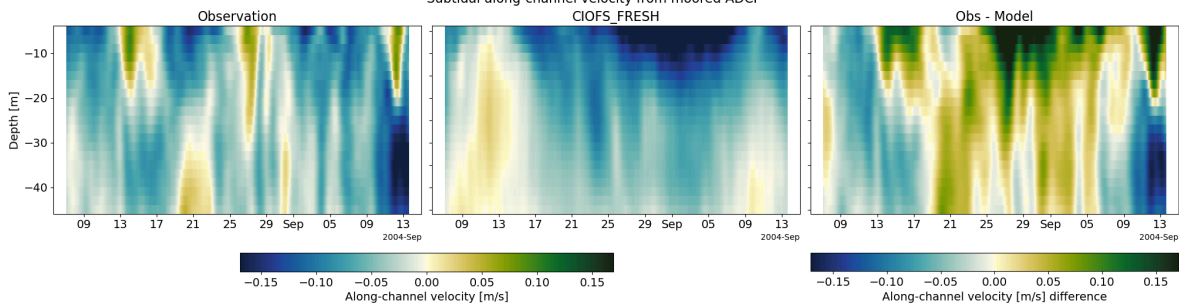
CIOFS_HINDCAST

COI0421: bias: -0.0 corr: -0.0 ioa: 0.4 rmse: 0.1 ss: 0.5 dist: 0.0 std_M: 0.0 std_O: 0.0
 2004-08-05 depth: -4.94m lon: -151.65 lat: 59.58 θ_M^{rot} : 26° θ_O^{rot} : 27°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

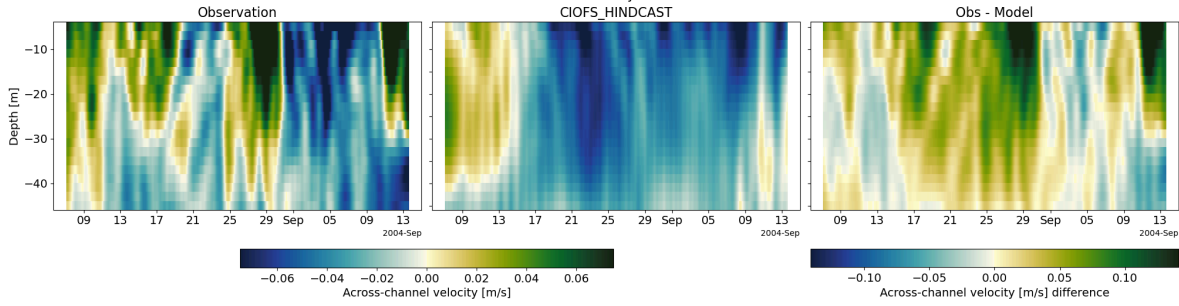
COI0421: bias: -0.0 corr: 0.0 ioa: 0.4 rmse: 0.1 ss: 0.5 dist: 0.0 std_M: 0.0 std_O: 0.0
 2004-08-05 depth: -4.94m lon: -151.65 lat: 59.58 θ_M^{rot} : 30° θ_O^{rot} : 27°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

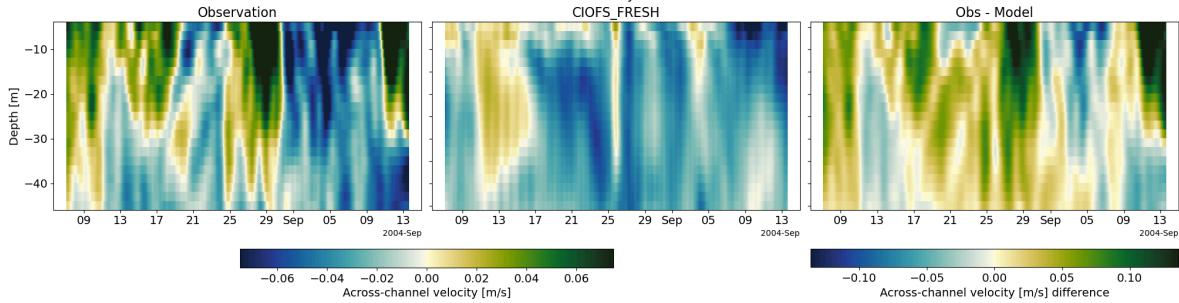
CIOFS_HINDCAST

COI0421: bias: -0.0 corr: 0.2 ioa: 0.5 rmse: 0.0 ss: 0.5 dist: 0.0 std_M: 0.0 std_O: 0.0
2004-08-05 depth: -4.94m lon: -151.65 lat: 59.58 θ_M^{rot} : 26° θ_O^{rot} : 27°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0421: bias: -0.0 corr: -0.0 ioa: 0.4 rmse: 0.0 ss: 0.3 dist: 0.0 std_M: 0.0 std_O: 0.0
2004-08-05 depth: -4.94m lon: -151.65 lat: 59.58 θ_M^{rot} : 30° θ_O^{rot} : 27°
Subtidal across-channel velocity from moored ADCP



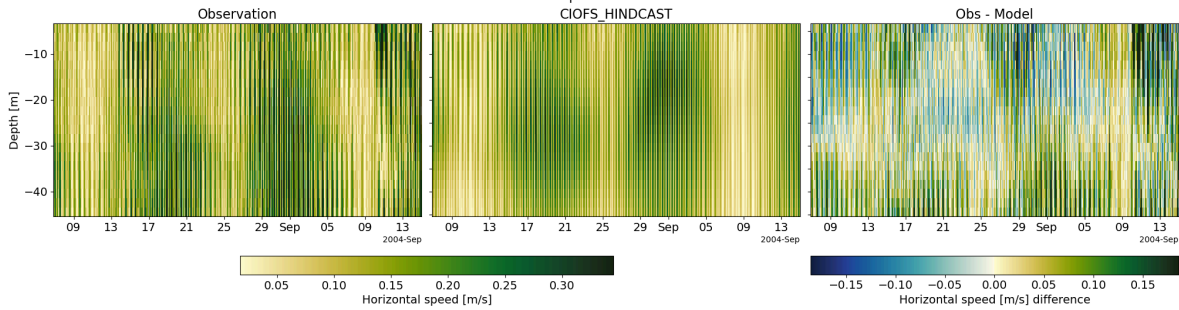
COI0422

Tidal

Horizontal speed

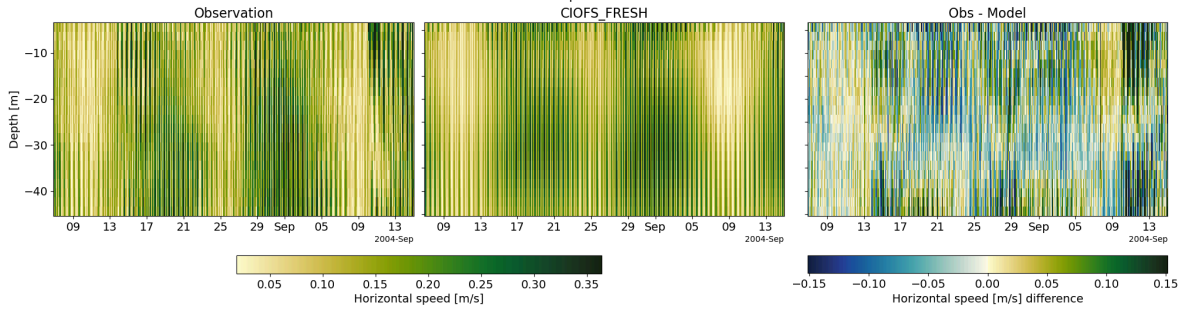
CIOFS_HINDCAST

COI0422: bias: -0.0 corr: 0.7 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.1 std_M: 0.1 std_O: 0.1
2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

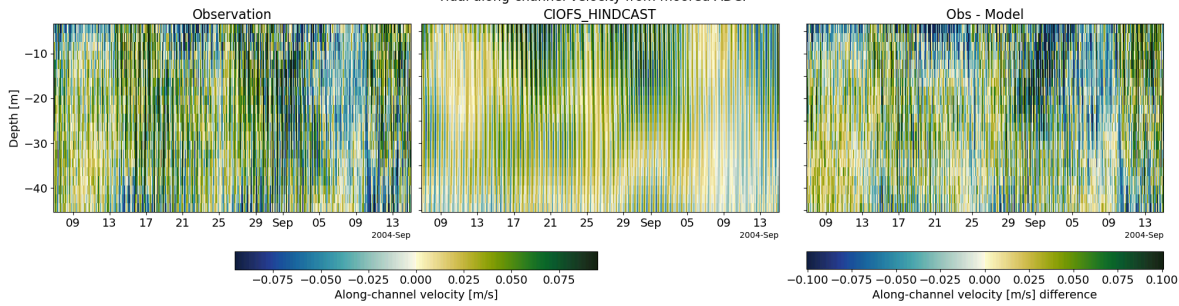
COI0422: bias: 0.0 corr: 0.7 ioa: 0.8 rmse: 0.1 ss: 0.9 dist: 0.1 std_M: 0.1 std_O: 0.1
 2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67
 Tidal horizontal speed from moored ADCP



Along-channel velocity

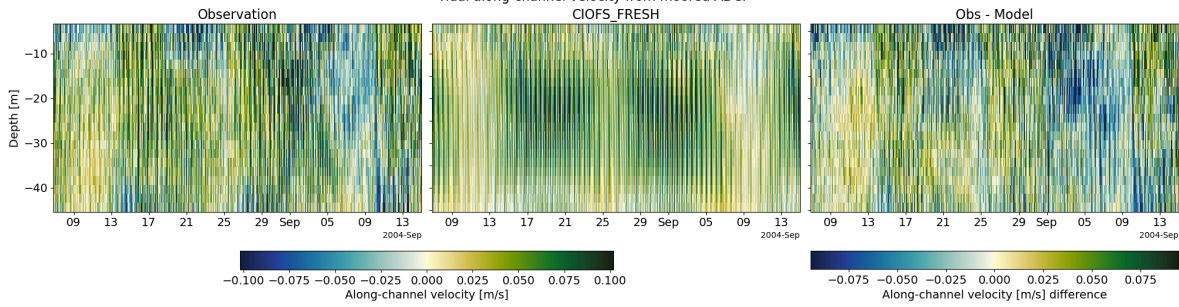
CIOFS_HINDCAST

COI0422: bias: 0.0 corr: 0.4 ioa: 0.6 rmse: 0.0 ss: 0.6 dist: 0.1 std_M: 0.0 std_O: 0.0
 2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67 θ_M^{rot} : 42° θ_O^{rot} : 39°
 Tidal along-channel velocity from moored ADCP



CIOFS_FRESH

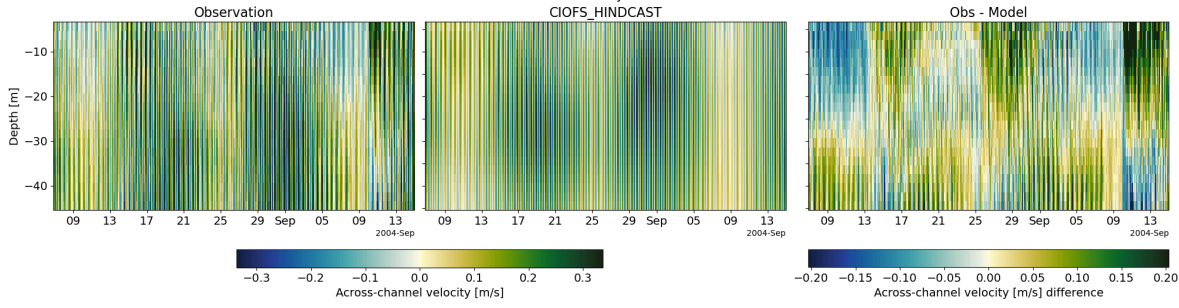
COI0422: bias: 0.0 corr: 0.5 ioa: 0.7 rmse: 0.0 ss: 0.8 dist: 0.1 std_M: 0.0 std_O: 0.0
 2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67 θ_M^{rot} : 39° θ_O^{rot} : 39°
 Tidal along-channel velocity from moored ADCP



Across-channel velocity

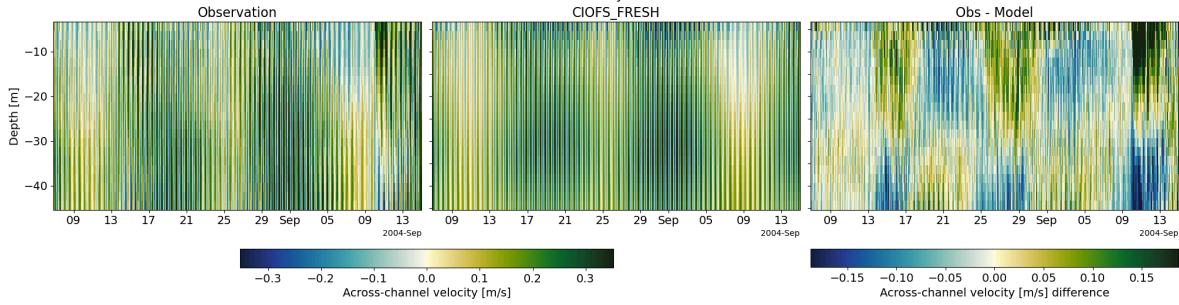
CIOFS_HINDCAST

COI0422: bias: -0.0 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.1 std_M: 0.1 std_O: 0.2
2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67 θ_M^{act} : 42° θ_O^{act} : 39°
Tidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0422: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.1 std_M: 0.2 std_O: 0.2
2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67 θ_M^{act} : 39° θ_O^{act} : 39°
Tidal across-channel velocity from moored ADCP

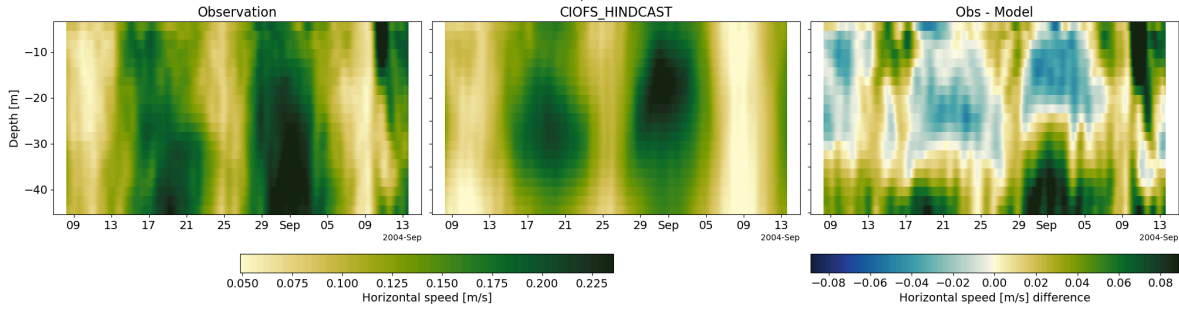


Subtidal

Horizontal speed

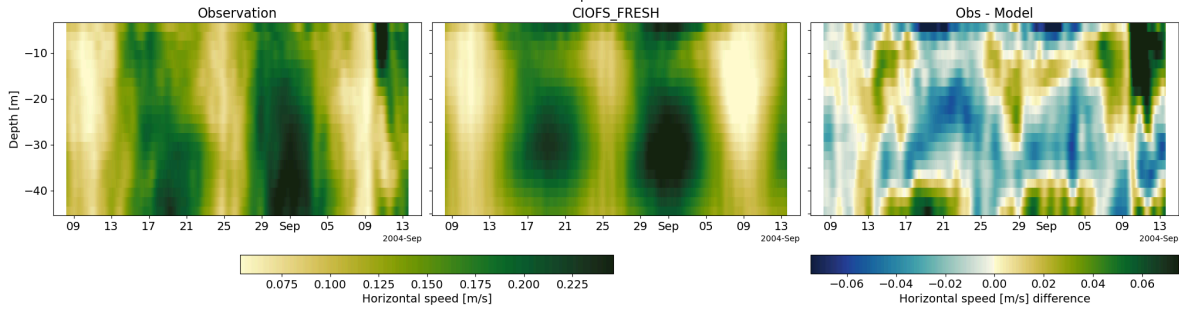
CIOFS_HINDCAST

COI0422: bias: -0.0 corr: 0.8 ioa: 0.9 rmse: 0.0 ss: 0.9 dist: 0.1 std_M: 0.0 std_O: 0.1
2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67
Subtidal horizontal speed from moored ADCP



CIOFS_FRESH

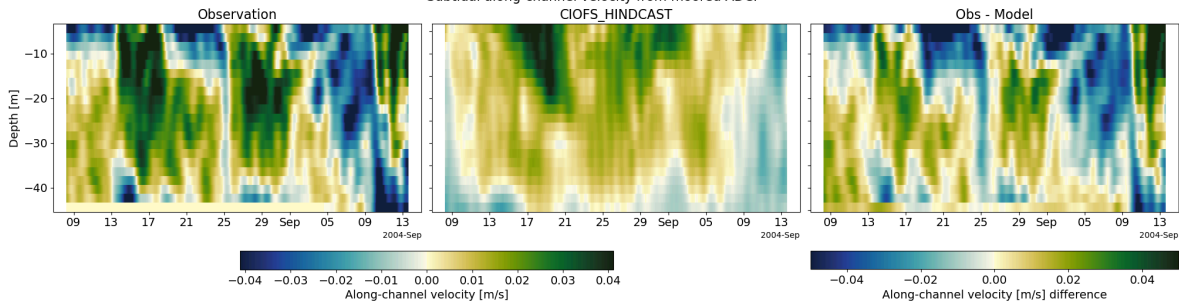
COI0422: bias: 0.0 corr: 0.8 ioa: 0.9 rmse: 0.0 ss: 0.9 dist: 0.1 std_M: 0.1 std_O: 0.1
 2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

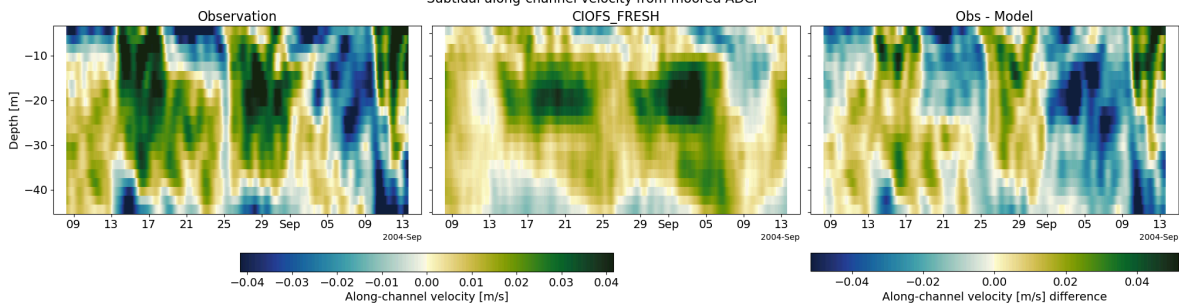
CIOFS_HINDCAST

COI0422: bias: 0.0 corr: 0.3 ioa: 0.5 rmse: 0.0 ss: 0.4 dist: 0.1 std_M: 0.0 std_O: 0.0
 2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67 θ_M^{st} : 42° θ_O^{st} : 39°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

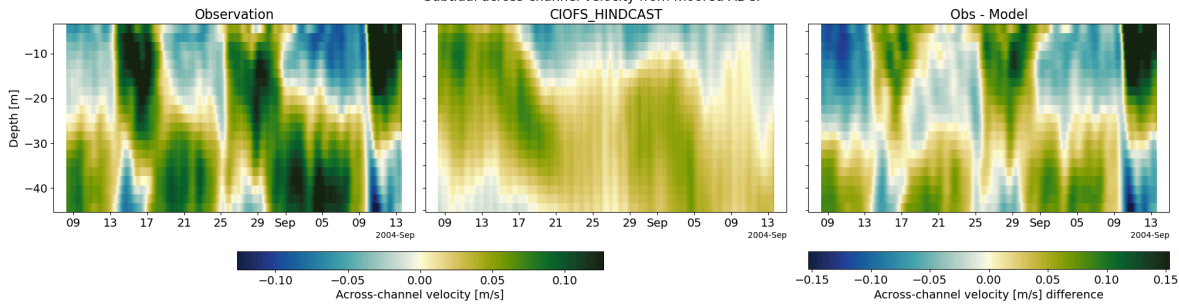
COI0422: bias: 0.0 corr: 0.3 ioa: 0.5 rmse: 0.0 ss: 0.5 dist: 0.1 std_M: 0.0 std_O: 0.0
 2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67 θ_M^{st} : 39° θ_O^{st} : 39°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

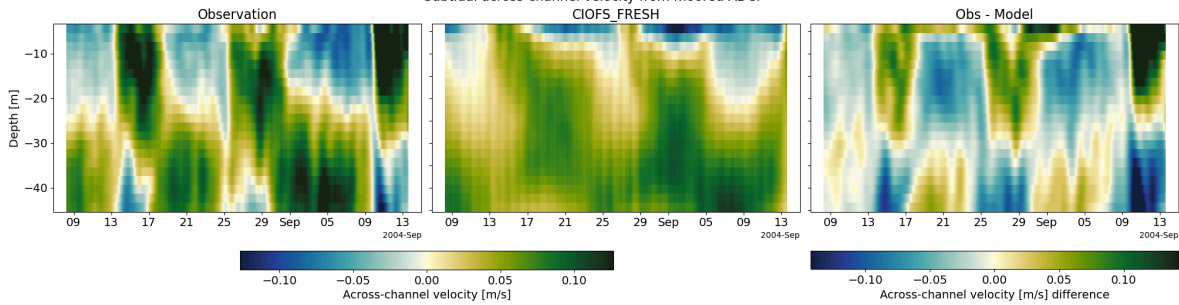
CIOFS_HINDCAST

COI0422: bias: -0.0 corr: 0.2 ioa: 0.5 rmse: 0.1 ss: 0.4 dist: 0.1 std_M: 0.0 std_O: 0.1
2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67 θ_M^{ref} : 42° θ_O^{ref} : 39°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI0422: bias: 0.0 corr: 0.4 ioa: 0.6 rmse: 0.1 ss: 0.6 dist: 0.1 std_M: 0.0 std_O: 0.1
2004-08-06 depth: -4.39m lon: -151.19 lat: 59.67 θ_M^{ref} : 39° θ_O^{ref} : 39°
Subtidal across-channel velocity from moored ADCP



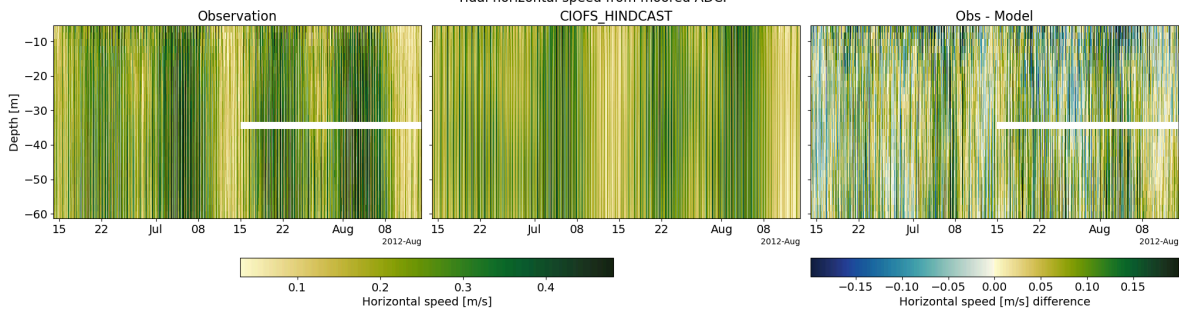
COI1201

Tidal

Horizontal speed

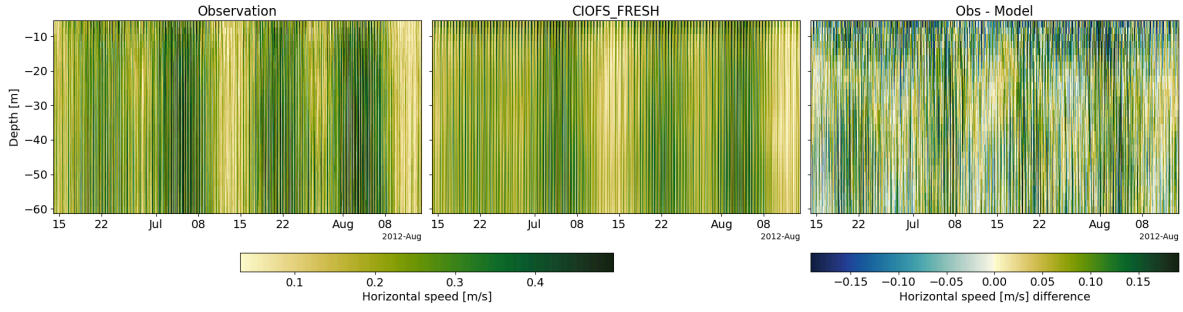
CIOFS_HINDCAST

COI1201: bias: -0.0 corr: 0.8 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.1 std_M: 0.1 std_O: 0.1
2012-06-14 depth: -6.37m lon: -151.40 lat: 59.59
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

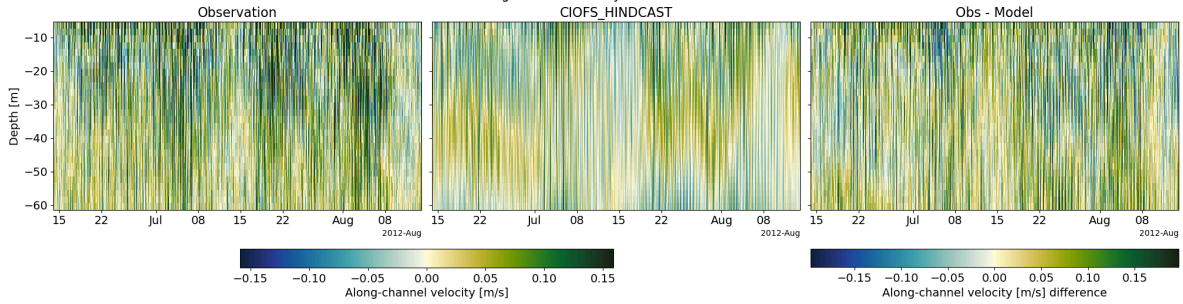
COI1201: bias: -0.0 corr: 0.8 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.1 std_M: 0.1 std_O: 0.1
 2012-06-14 depth: -6.37m lon: -151.40 lat: 59.59
 Tidal horizontal speed from moored ADCP



Along-channel velocity

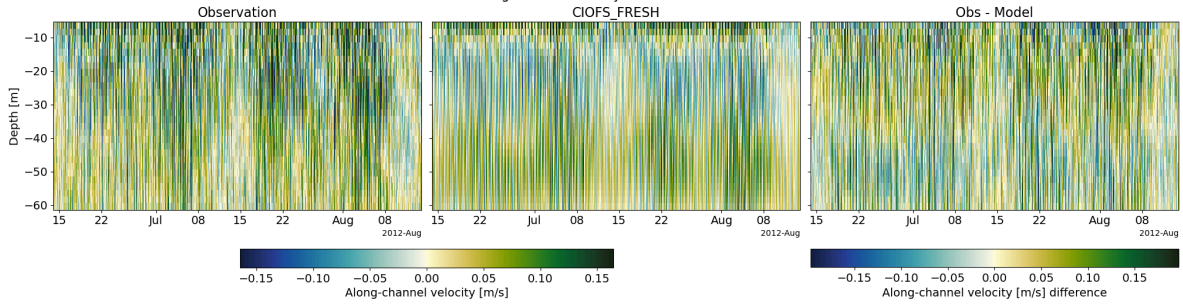
CIOFS_HINDCAST

COI1201: bias: -0.0 corr: 0.2 ioa: 0.5 rmse: 0.1 ss: 0.5 dist: 0.1 std_M: 0.0 std_O: 0.1
 2012-06-14 depth: -6.37m lon: -151.40 lat: 59.59 θ_M^{xt} : 44° θ_O^{xt} : 43°
 Tidal along-channel velocity from moored ADCP



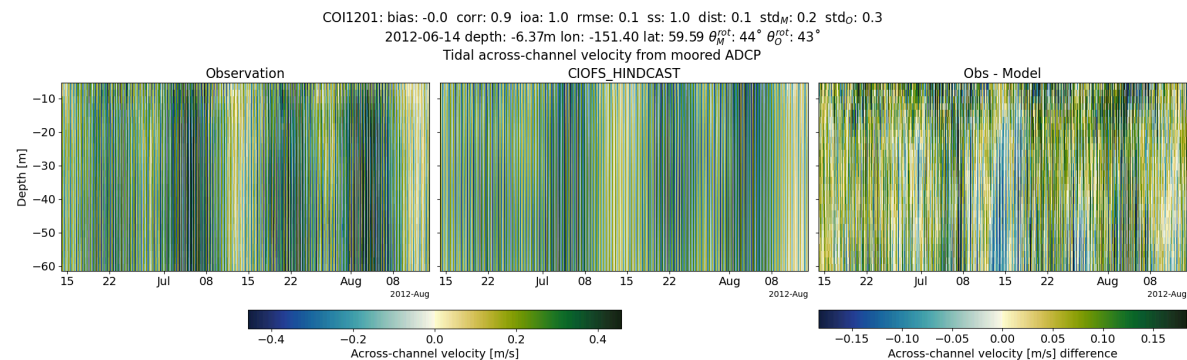
CIOFS_FRESH

COI1201: bias: -0.0 corr: 0.3 ioa: 0.6 rmse: 0.1 ss: 0.6 dist: 0.1 std_M: 0.1 std_O: 0.1
 2012-06-14 depth: -6.37m lon: -151.40 lat: 59.59 θ_M^{xt} : 42° θ_O^{xt} : 43°
 Tidal along-channel velocity from moored ADCP

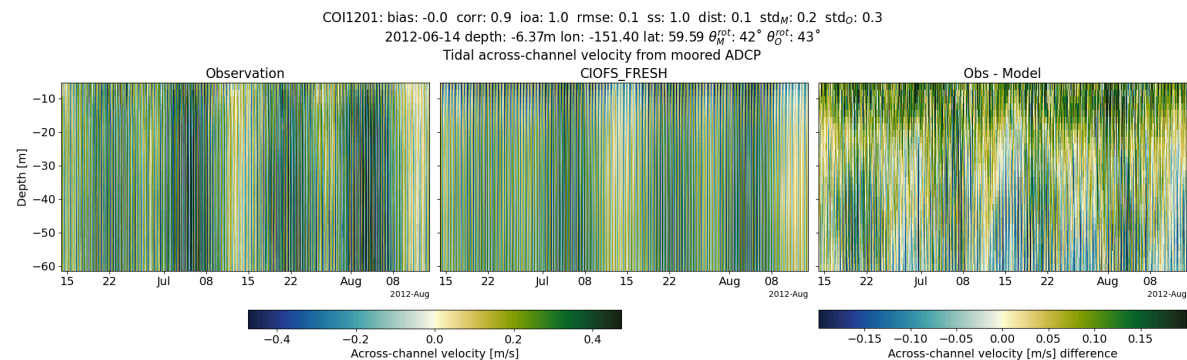


Across-channel velocity

CIOFS_HINDCAST



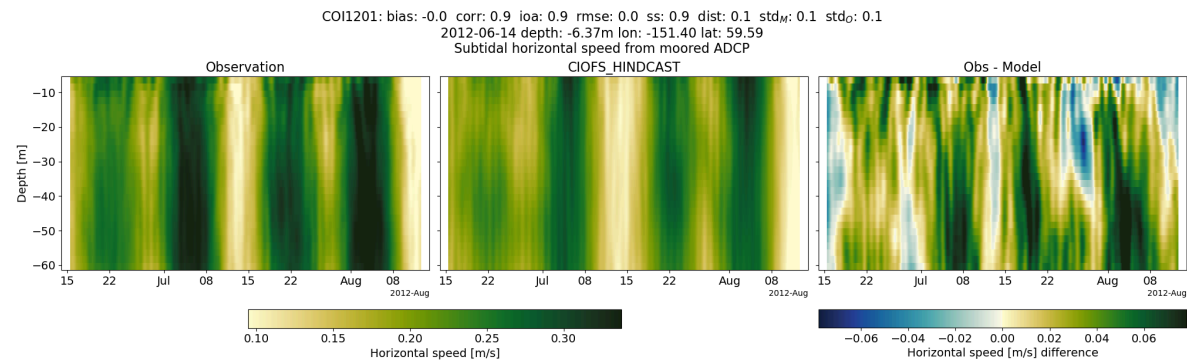
CIOFS_FRESH



Subtidal

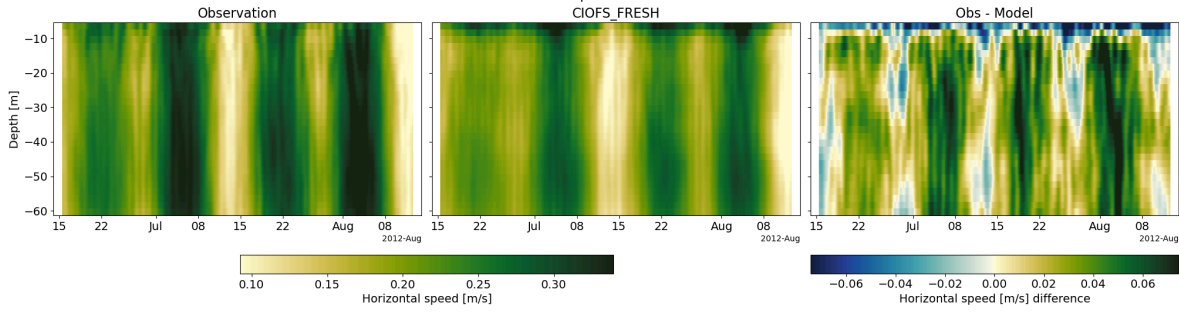
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

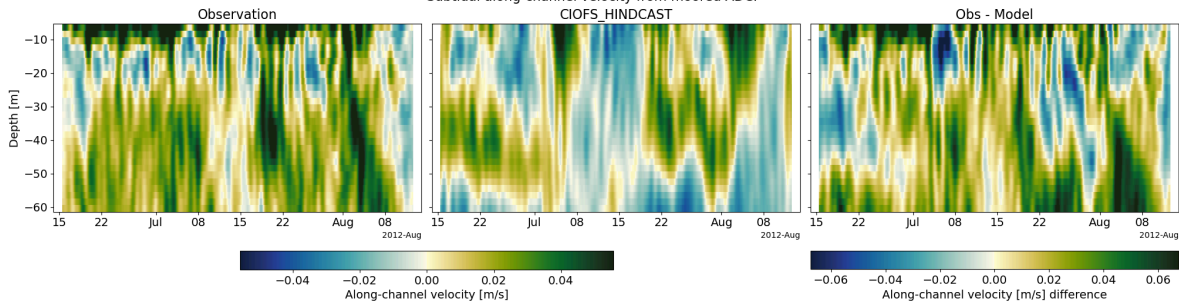
COI1201: bias: -0.0 corr: 0.9 ioa: 0.9 rmse: 0.0 ss: 0.9 dist: 0.1 std_M: 0.1 std_O: 0.1
 2012-06-14 depth: -6.37m lon: -151.40 lat: 59.59
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

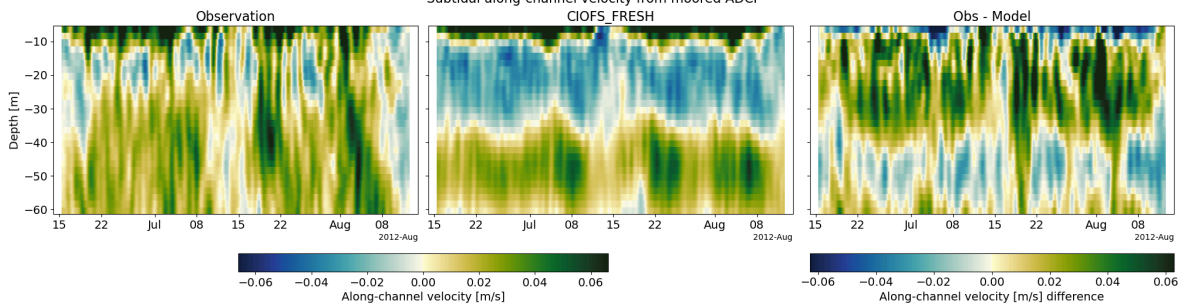
CIOFS_HINDCAST

COI1201: bias: -0.0 corr: 0.1 ioa: 0.4 rmse: 0.0 ss: 0.5 dist: 0.1 std_M: 0.0 std_O: 0.0
 2012-06-14 depth: -6.37m lon: -151.40 lat: 59.59 θ_M^{st} : 44° θ_O^{st} : 43°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

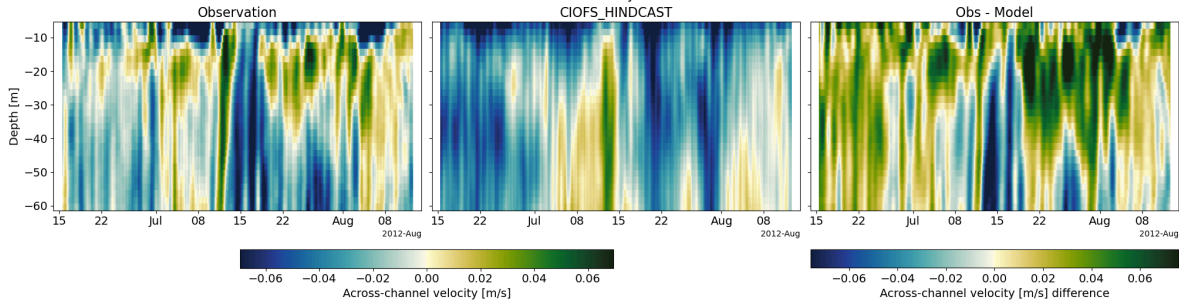
COI1201: bias: -0.0 corr: 0.5 ioa: 0.7 rmse: 0.0 ss: 0.7 dist: 0.1 std_M: 0.0 std_O: 0.0
 2012-06-14 depth: -6.37m lon: -151.40 lat: 59.59 θ_M^{st} : 42° θ_O^{st} : 43°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

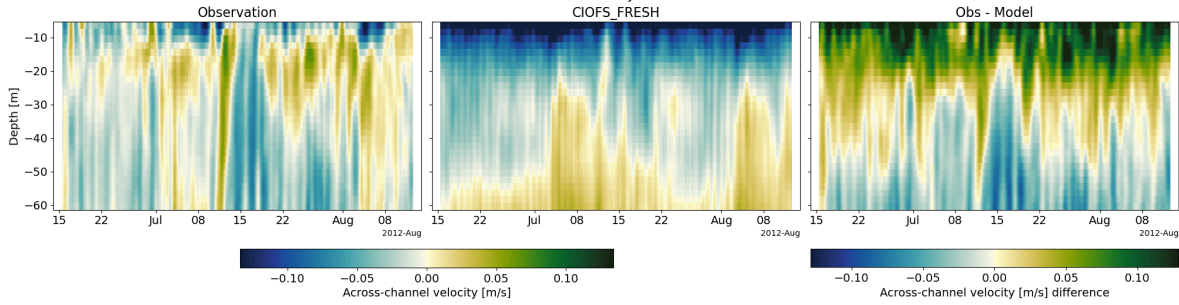
CIOFS_HINDCAST

COI1201: bias: -0.0 corr: 0.2 ioa: 0.5 rmse: 0.0 ss: 0.6 dist: 0.1 std_M: 0.0 std_O: 0.0
2012-06-14 depth: -6.37m lon: -151.40 lat: 59.59 θ_M^{rot} : 44° θ_O^{rot} : 43°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1201: bias: -0.0 corr: 0.1 ioa: 0.4 rmse: 0.0 ss: 0.4 dist: 0.1 std_M: 0.0 std_O: 0.0
2012-06-14 depth: -6.37m lon: -151.40 lat: 59.59 θ_M^{rot} : 42° θ_O^{rot} : 43°
Subtidal across-channel velocity from moored ADCP



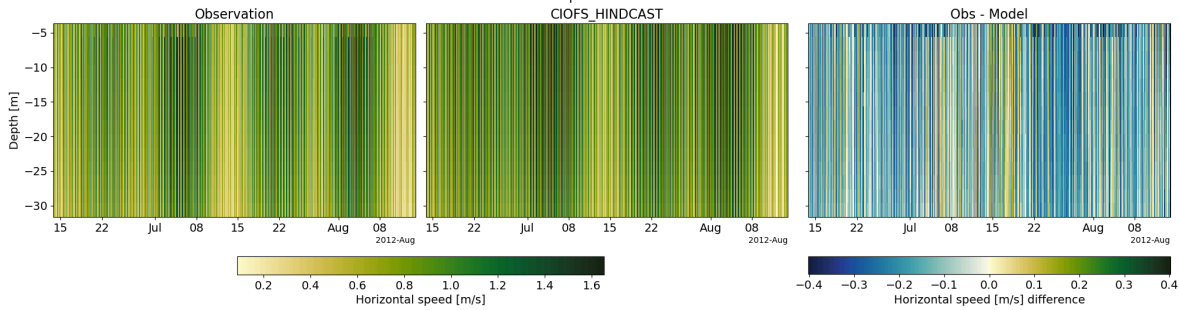
COI1202

Tidal

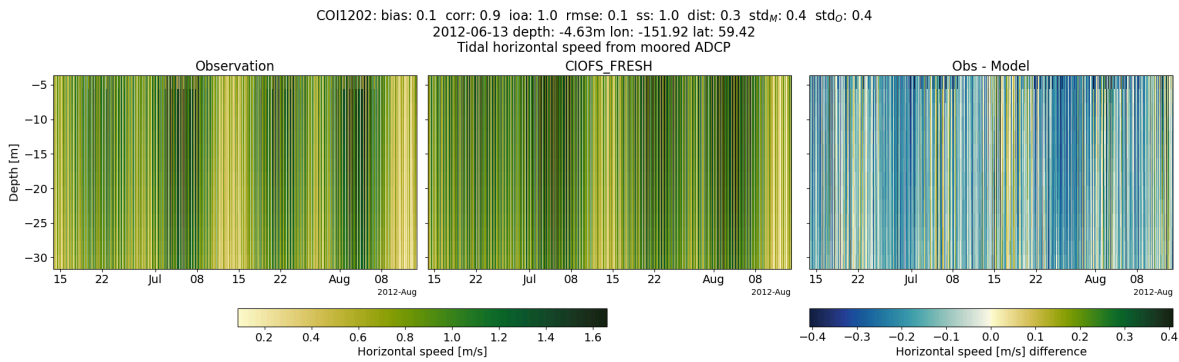
Horizontal speed

CIOFS_HINDCAST

COI1202: bias: 0.1 corr: 0.9 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.3 std_M: 0.4 std_O: 0.4
2012-06-13 depth: -4.63m lon: -151.92 lat: 59.42
Tidal horizontal speed from moored ADCP

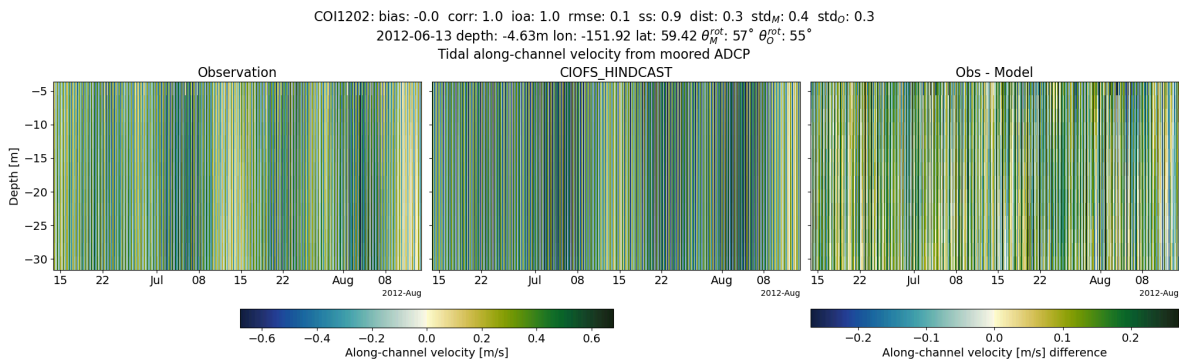


CIOFS_FRESH

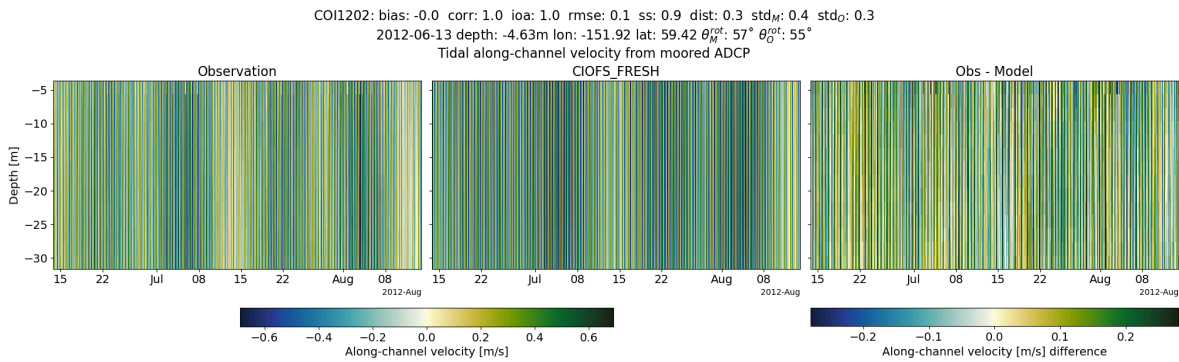


Along-channel velocity

CIOFS_HINDCAST

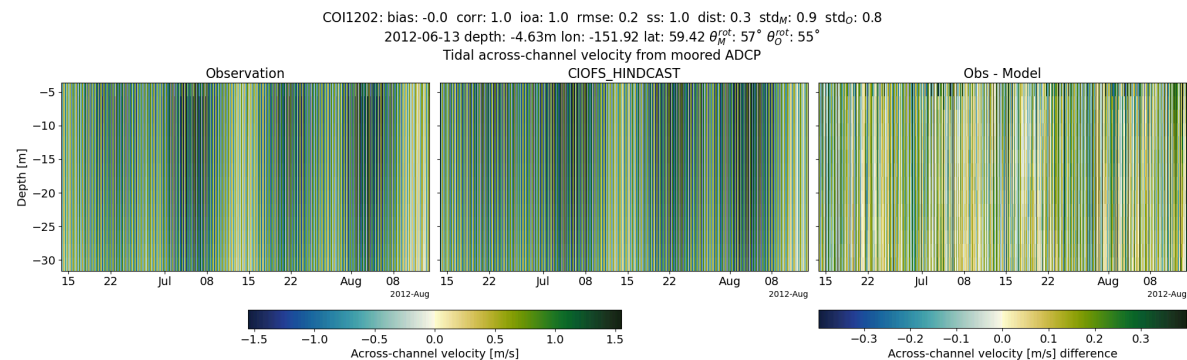


CIOFS_FRESH

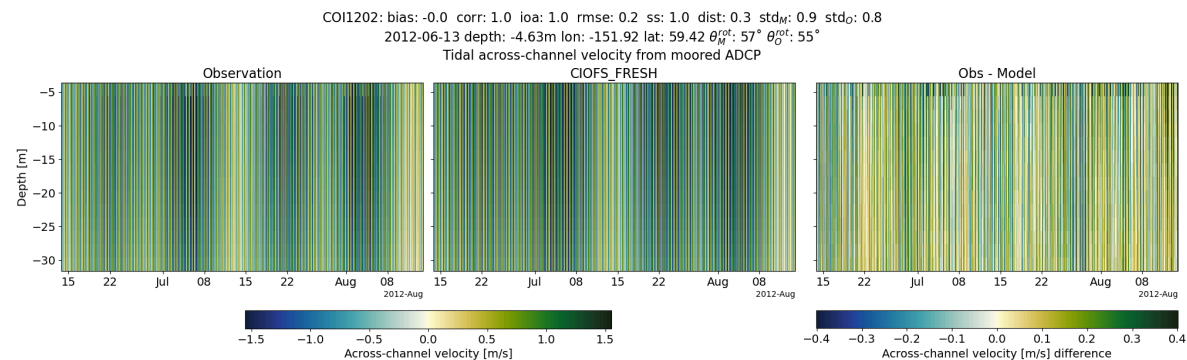


Across-channel velocity

CIOFS_HINDCAST



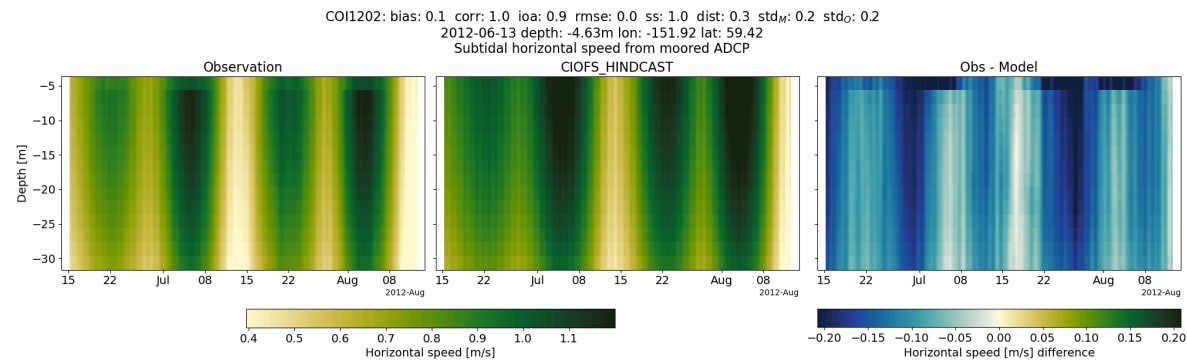
CIOFS_FRESH



Subtidal

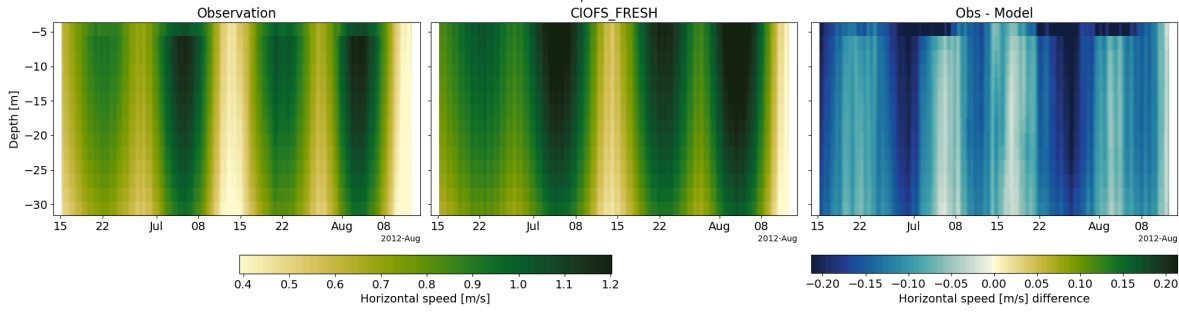
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

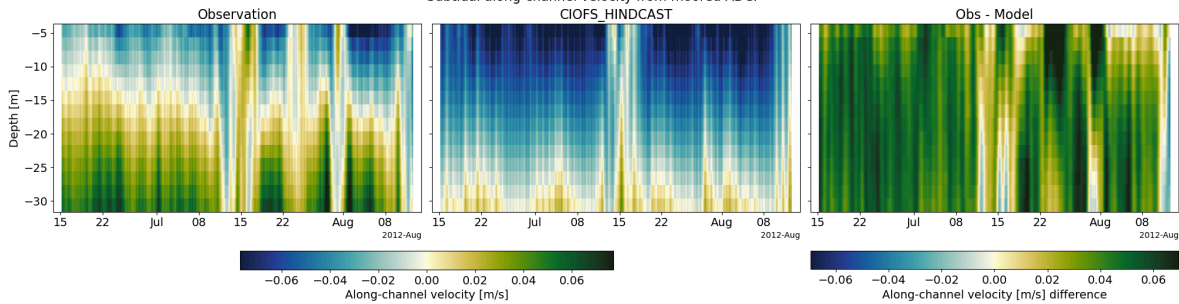
COI1202: bias: 0.1 corr: 1.0 ioa: 0.9 rmse: 0.0 ss: 1.0 dist: 0.3 std_M: 0.2 std_O: 0.2
 2012-06-13 depth: -4.63m lon: -151.92 lat: 59.42
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

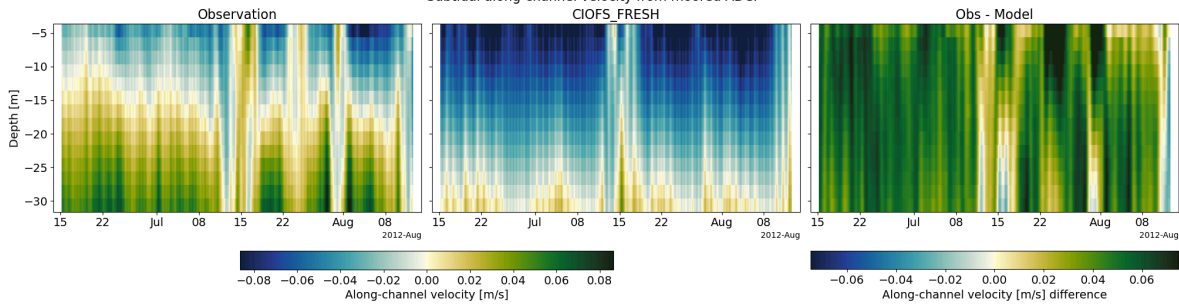
CIOFS_HINDCAST

COI1202: bias: -0.0 corr: 0.8 ioa: 0.6 rmse: 0.0 ss: 0.9 dist: 0.3 std_M: 0.0 std_O: 0.0
 2012-06-13 depth: -4.63m lon: -151.92 lat: 59.42 θ_M^{rot} : 57° θ_O^{rot} : 55°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

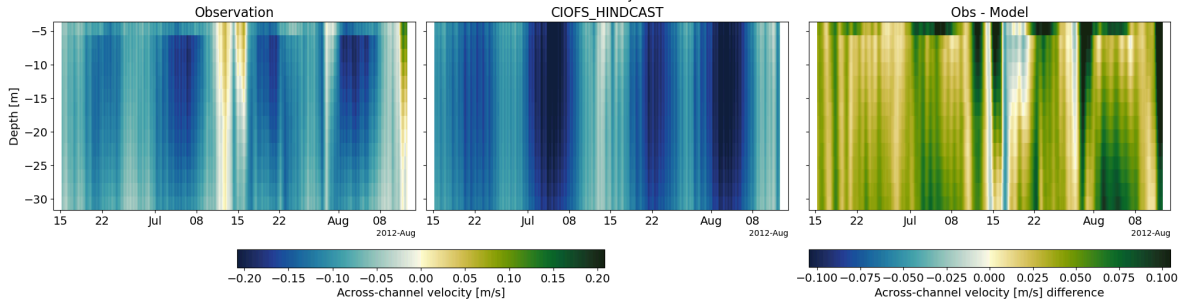
COI1202: bias: -0.0 corr: 0.8 ioa: 0.6 rmse: 0.0 ss: 0.9 dist: 0.3 std_M: 0.0 std_O: 0.0
 2012-06-13 depth: -4.63m lon: -151.92 lat: 59.42 θ_M^{rot} : 57° θ_O^{rot} : 55°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

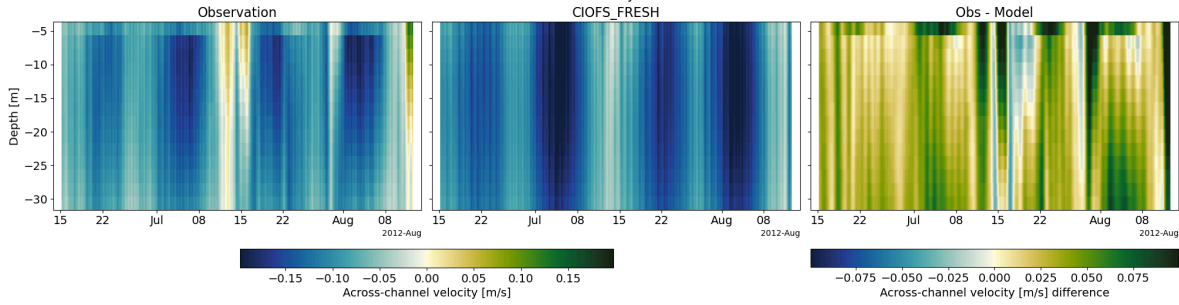
CIOFS_HINDCAST

COI1202: bias: -0.0 corr: 0.8 ioa: 0.8 rmse: 0.0 ss: 0.9 dist: 0.3 std_M: 0.0 std_O: 0.0
2012-06-13 depth: -4.63m lon: -151.92 lat: 59.42 θ_M^{rot} : 57° θ_O^{rot} : 55°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1202: bias: -0.0 corr: 0.8 ioa: 0.8 rmse: 0.0 ss: 0.9 dist: 0.3 std_M: 0.0 std_O: 0.0
2012-06-13 depth: -4.63m lon: -151.92 lat: 59.42 θ_M^{rot} : 57° θ_O^{rot} : 55°
Subtidal across-channel velocity from moored ADCP



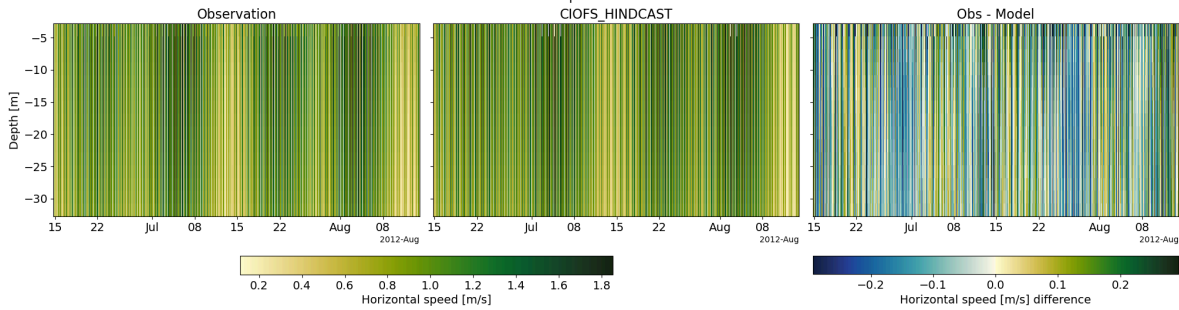
COI1203

Tidal

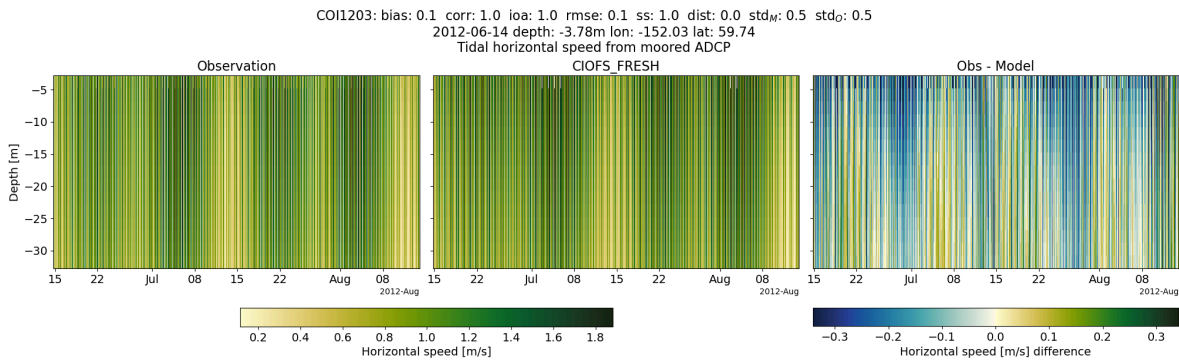
Horizontal speed

CIOFS_HINDCAST

COI1203: bias: 0.0 corr: 1.0 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.0 std_M: 0.5 std_O: 0.5
2012-06-14 depth: -3.78m lon: -152.03 lat: 59.74
Tidal horizontal speed from moored ADCP

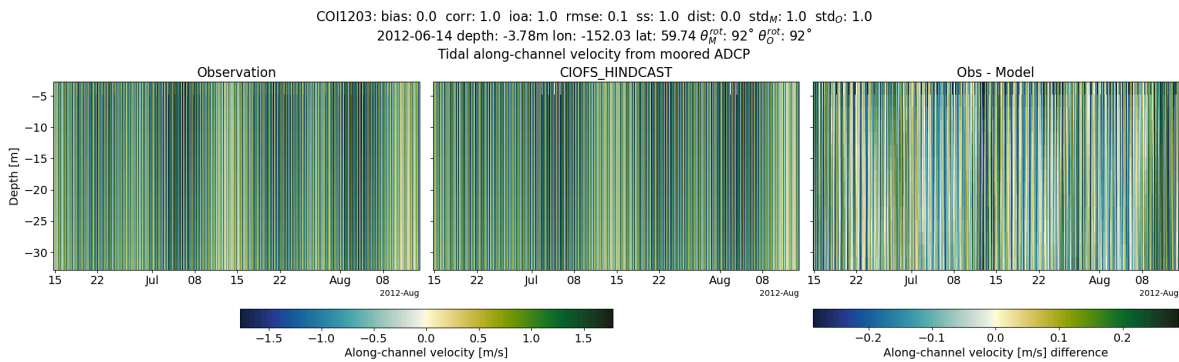


CIOFS_FRESH

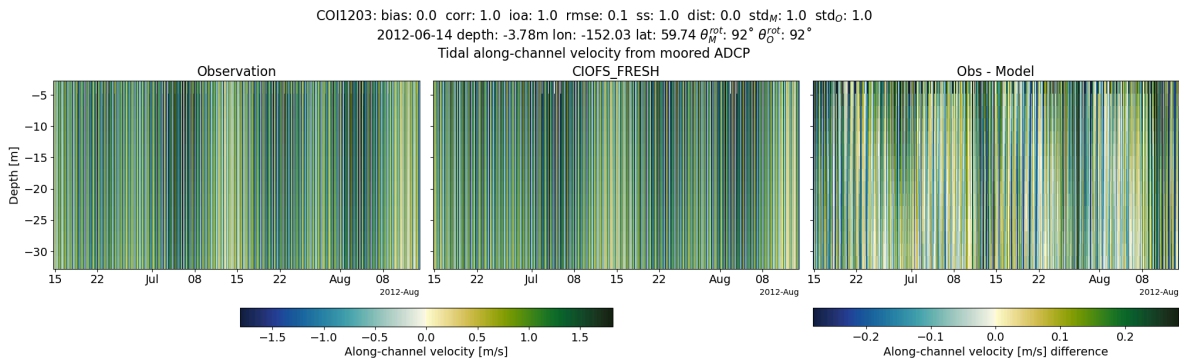


Along-channel velocity

CIOFS_HINDCAST

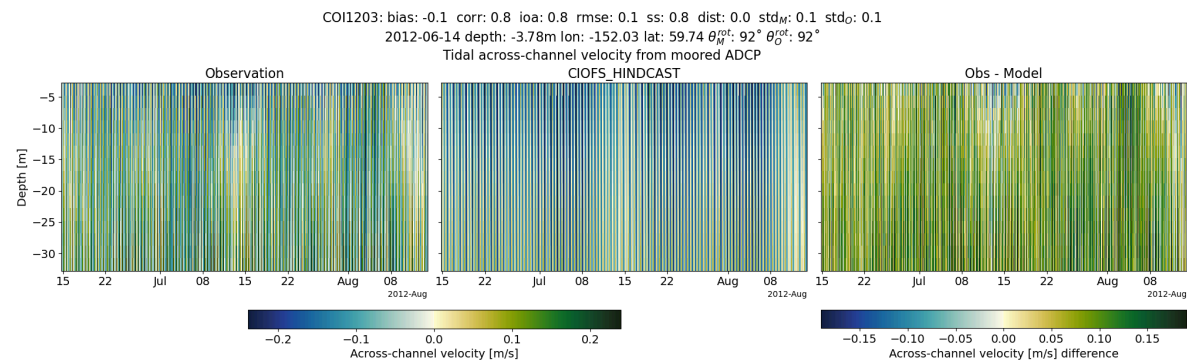


CIOFS_FRESH

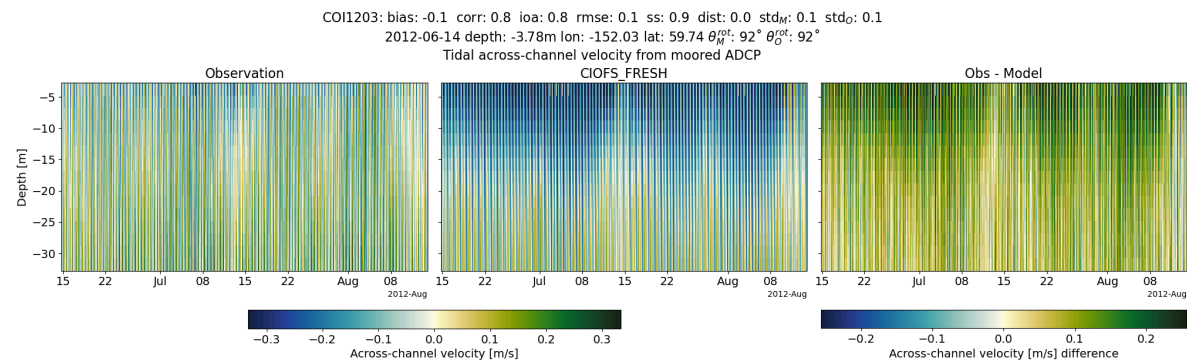


Across-channel velocity

CIOFS_HINDCAST



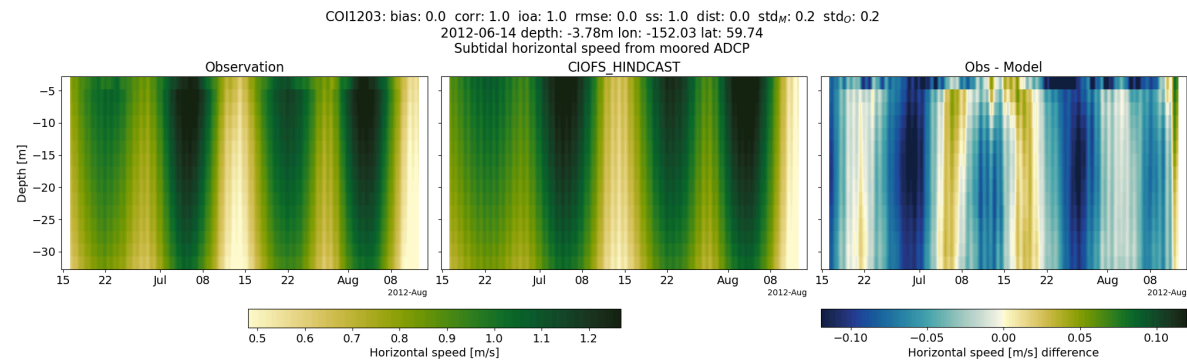
CIOFS_FRESH



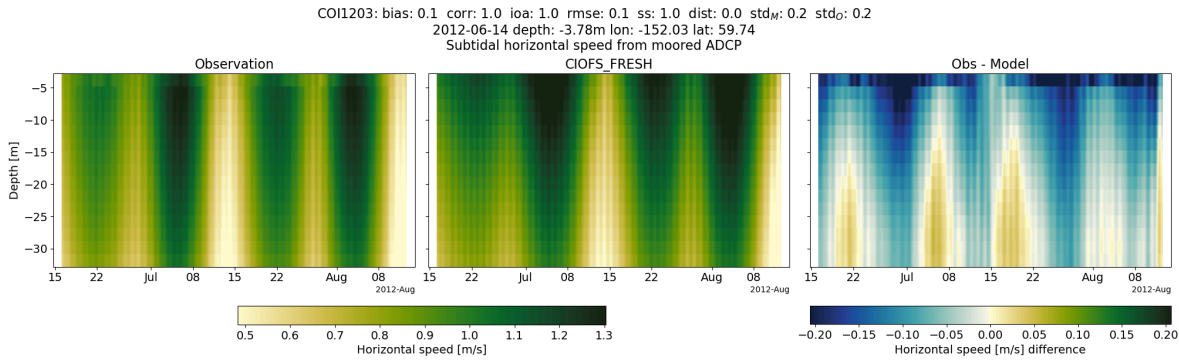
Subtidal

Horizontal speed

CIOFS_HINDCAST

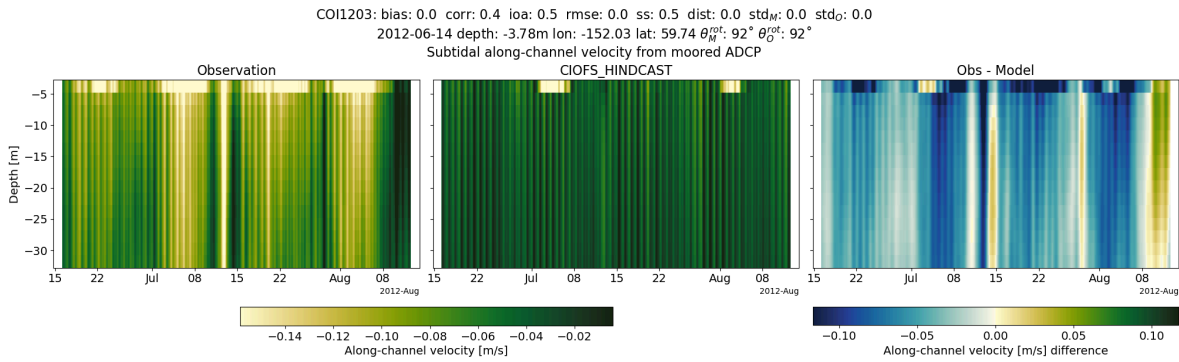


CIOFS_FRESH

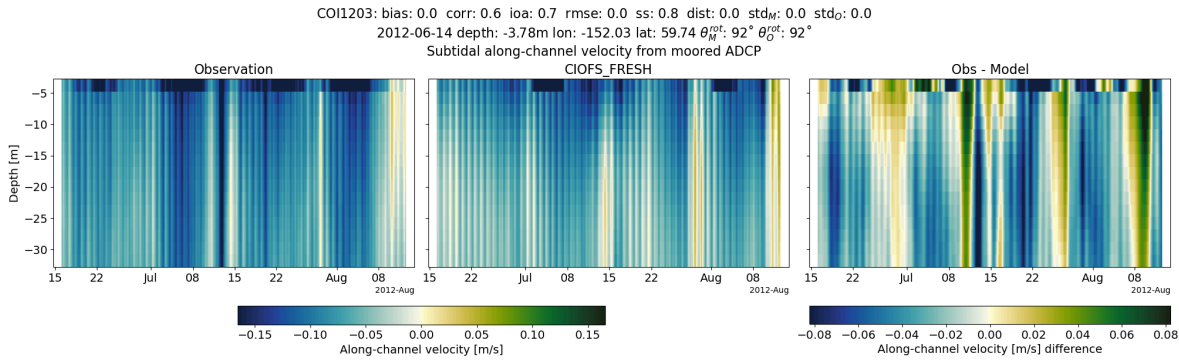


Along-channel velocity

CIOFS_HINDCAST



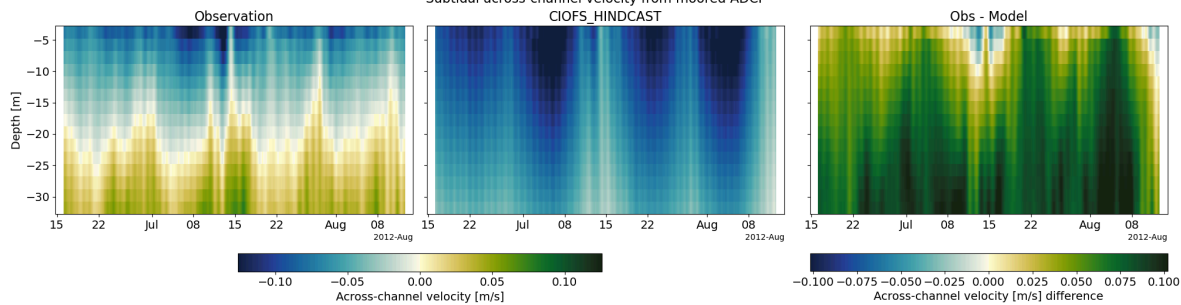
CIOFS_FRESH



Across-channel velocity

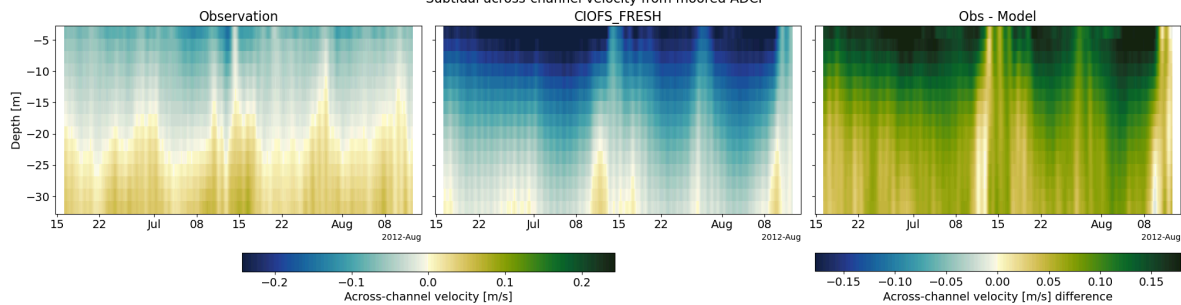
CIOFS_HINDCAST

COI1203: bias: -0.1 corr: 0.7 ioa: 0.6 rmse: 0.0 ss: 0.8 dist: 0.0 std_M: 0.0 std_O: 0.0
2012-06-14 depth: -3.78m lon: -152.03 lat: 59.74 θ_M^{rot} : 92° θ_O^{rot} : 92°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1203: bias: -0.1 corr: 0.9 ioa: 0.6 rmse: 0.0 ss: 0.6 dist: 0.0 std_M: 0.1 std_O: 0.0
2012-06-14 depth: -3.78m lon: -152.03 lat: 59.74 θ_M^{rot} : 92° θ_O^{rot} : 92°
Subtidal across-channel velocity from moored ADCP



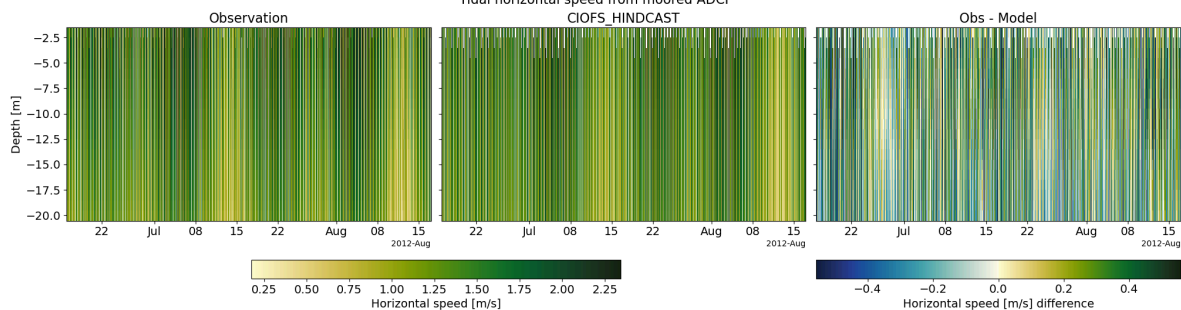
COI1204

Tidal

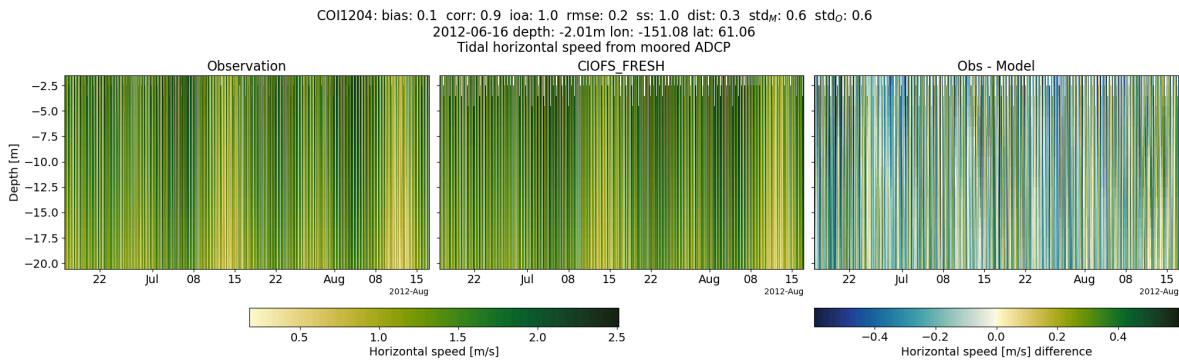
Horizontal speed

CIOFS_HINDCAST

COI1204: bias: 0.0 corr: 0.9 ioa: 0.9 rmse: 0.3 ss: 0.9 dist: 0.3 std_M: 0.6 std_O: 0.6
2012-06-16 depth: -2.01m lon: -151.08 lat: 61.06
Tidal horizontal speed from moored ADCP

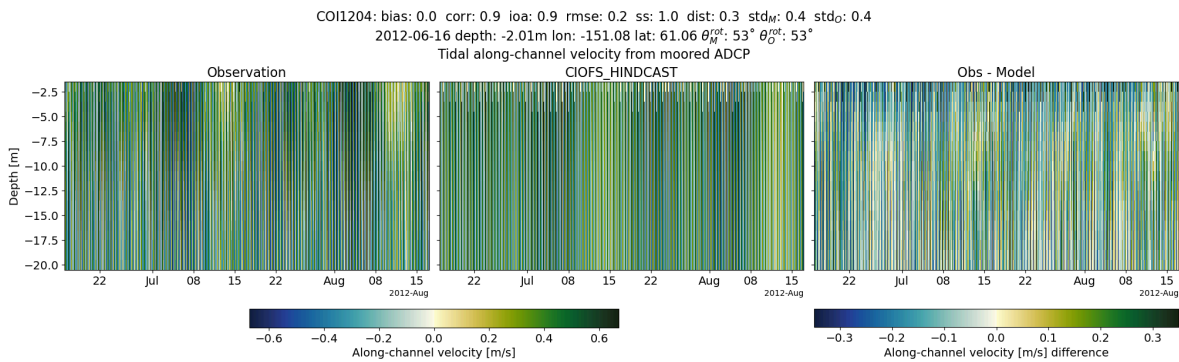


CIOFS_FRESH

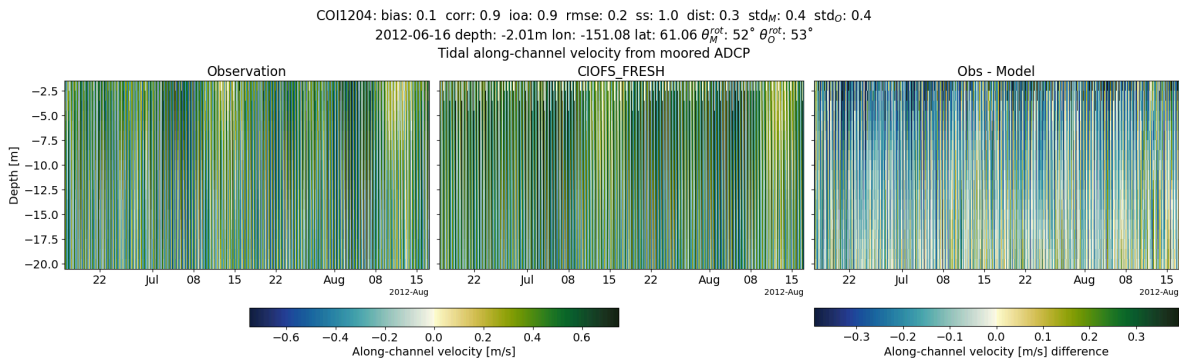


Along-channel velocity

CIOFS_HINDCAST



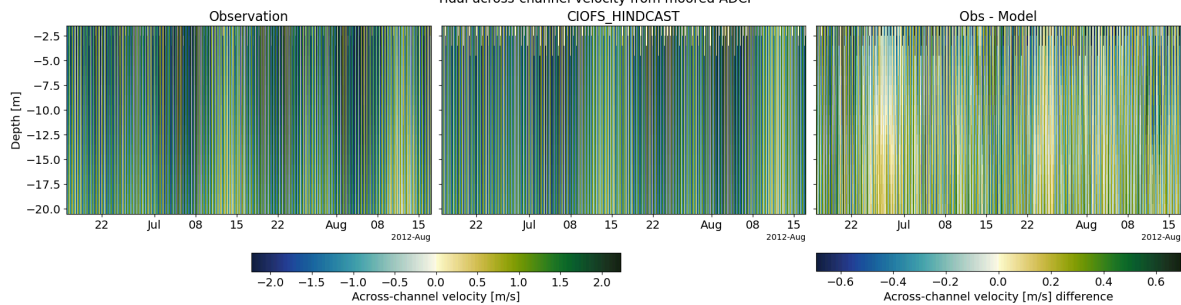
CIOFS_FRESH



Across-channel velocity

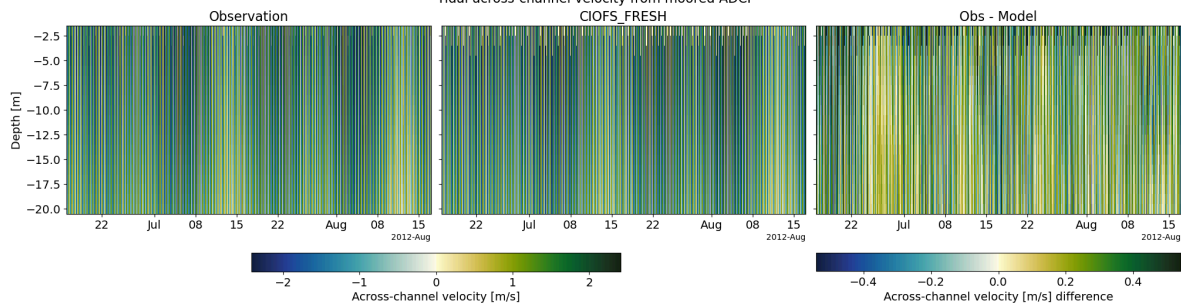
CIOFS_HINDCAST

COI1204: bias: 0.1 corr: 1.0 ioa: 1.0 rmse: 0.3 ss: 1.0 dist: 0.3 std_M: 1.3 std_O: 1.4
2012-06-16 depth: -2.01m lon: -151.08 lat: 61.06 $\theta_M^{O^{\text{gt}}}$: 53° $\theta_O^{O^{\text{gt}}}$: 53°
Tidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1204: bias: -0.0 corr: 1.0 ioa: 1.0 rmse: 0.3 ss: 1.0 dist: 0.3 std_M: 1.4 std_O: 1.4
2012-06-16 depth: -2.01m lon: -151.08 lat: 61.06 $\theta_M^{O^{\text{gt}}}$: 52° $\theta_O^{O^{\text{gt}}}$: 53°
Tidal across-channel velocity from moored ADCP

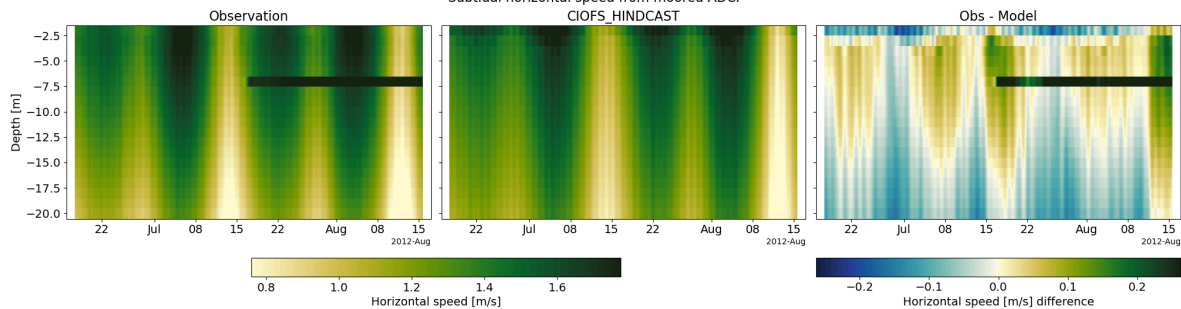


Subtidal

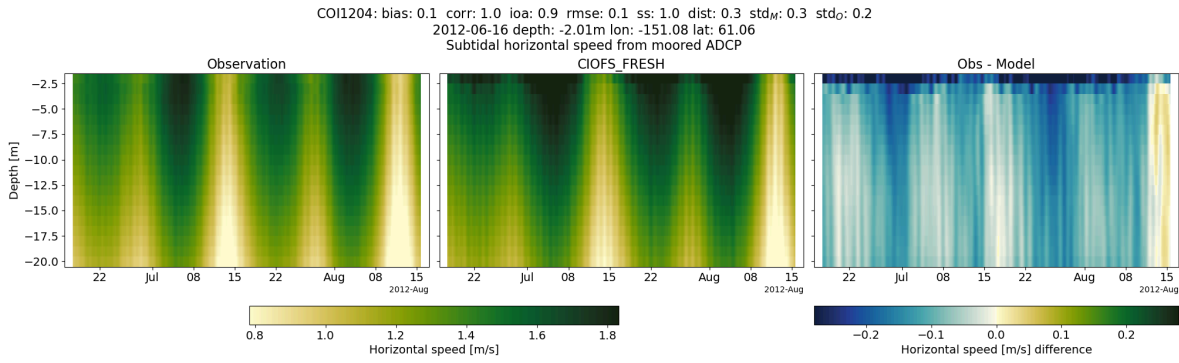
Horizontal speed

CIOFS_HINDCAST

COI1204: bias: -0.0 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 0.9 dist: 0.3 std_M: 0.2 std_O: 0.3
2012-06-16 depth: -2.01m lon: -151.08 lat: 61.06
Subtidal horizontal speed from moored ADCP

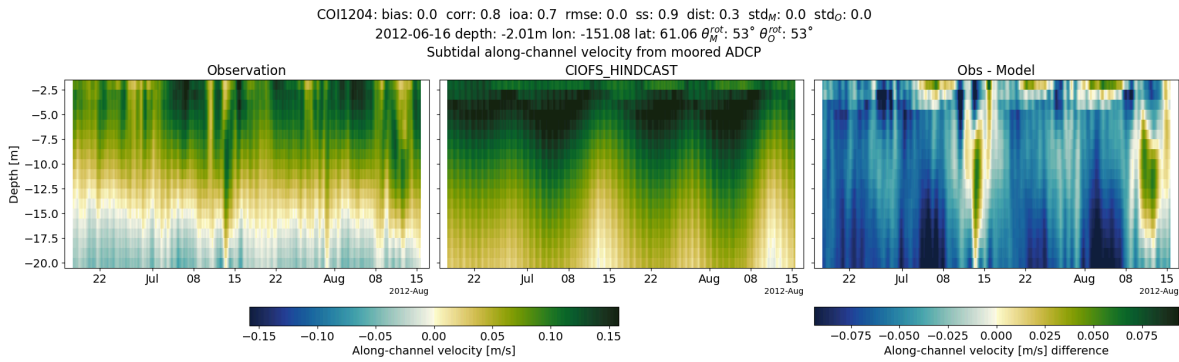


CIOFS_FRESH

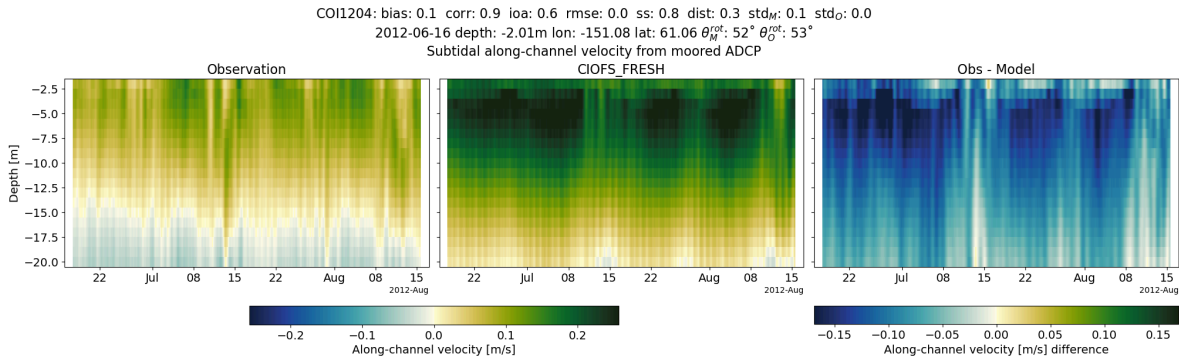


Along-channel velocity

CIOFS_HINDCAST



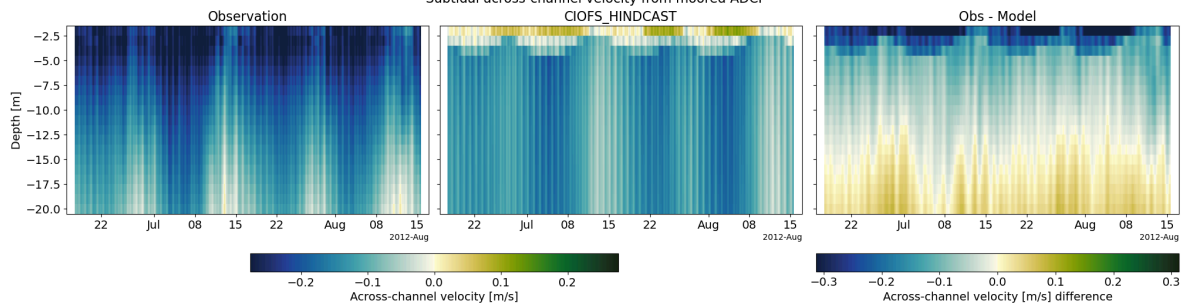
CIOFS_FRESH



Across-channel velocity

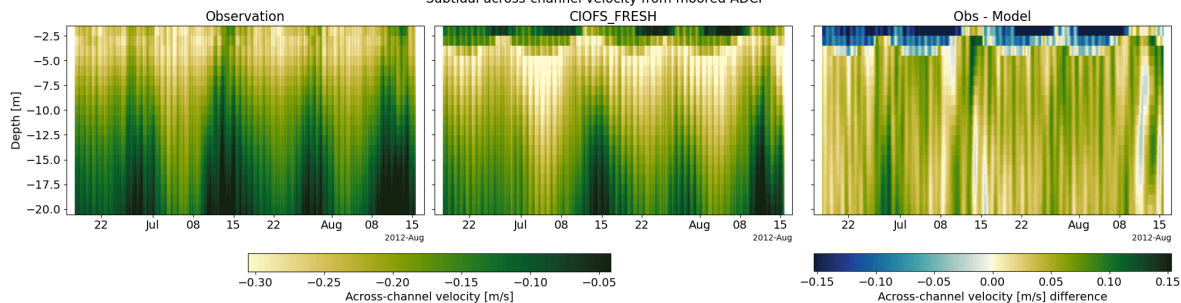
CIOFS_HINDCAST

COI1204: bias: 0.1 corr: 0.0 ioa: 0.4 rmse: 0.1 ss: 0.5 dist: 0.3 std_M: 0.1 std_O: 0.1
 2012-06-16 depth: -2.01m lon: -151.08 lat: 61.06 θ_M^{rot} : 53° θ_O^{rot} : 53°
 Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1204: bias: -0.0 corr: 0.7 ioa: 0.8 rmse: 0.1 ss: 0.8 dist: 0.3 std_M: 0.1 std_O: 0.1
 2012-06-16 depth: -2.01m lon: -151.08 lat: 61.06 θ_M^{rot} : 52° θ_O^{rot} : 53°
 Subtidal across-channel velocity from moored ADCP



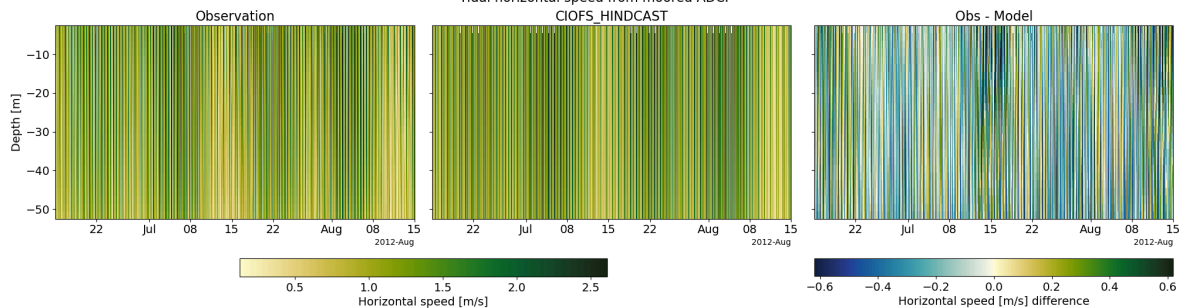
COI1205

Tidal

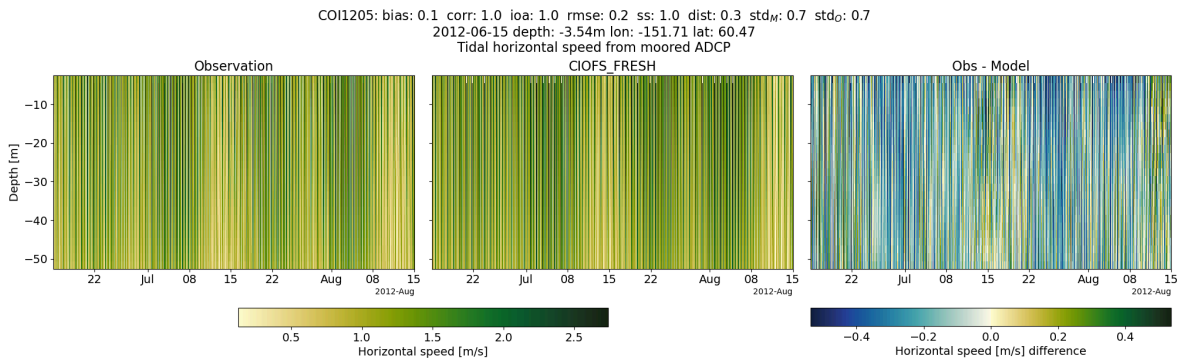
Horizontal speed

CIOFS_HINDCAST

COI1205: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.3 ss: 1.0 dist: 0.3 std_M: 0.6 std_O: 0.7
 2012-06-15 depth: -3.54m lon: -151.71 lat: 60.47
 Tidal horizontal speed from moored ADCP

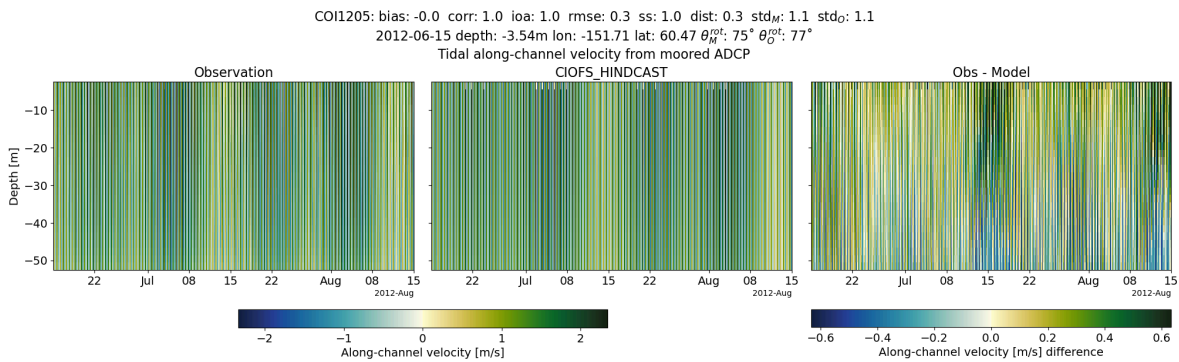


CIOFS_FRESH

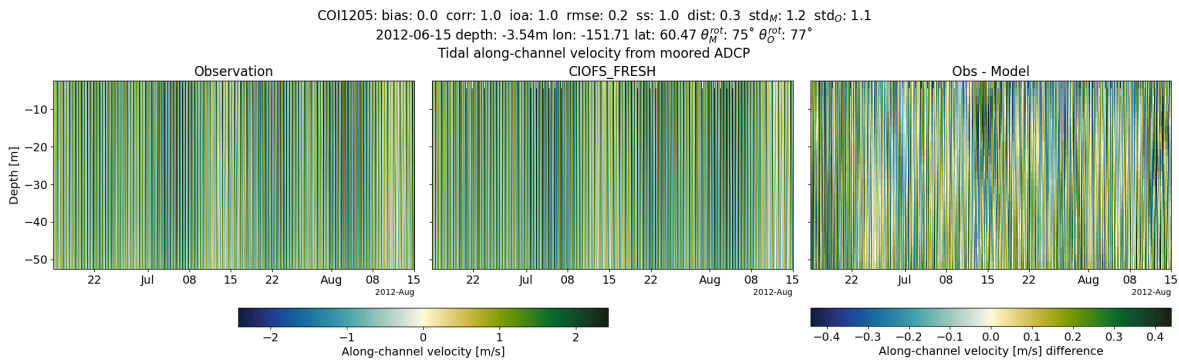


Along-channel velocity

CIOFS_HINDCAST



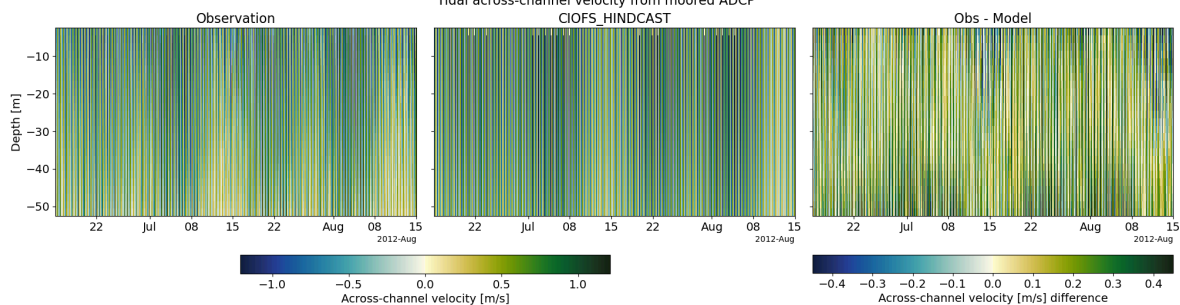
CIOFS_FRESH



Across-channel velocity

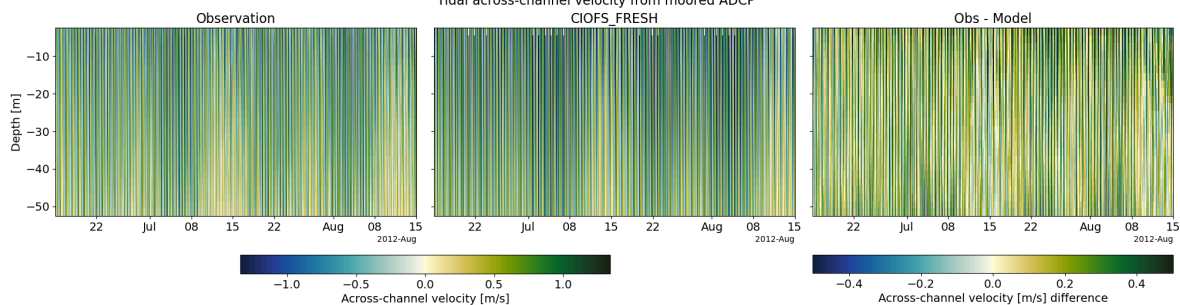
CIOFS_HINDCAST

COI1205: bias: -0.1 corr: 1.0 ioa: 1.0 rmse: 0.2 ss: 1.0 dist: 0.3 std_M: 0.6 std_O: 0.6
2012-06-15 depth: -3.54m lon: -151.71 lat: 60.47 θ_M^{gt} : 75° θ_O^{gt} : 77°
Tidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1205: bias: -0.1 corr: 1.0 ioa: 1.0 rmse: 0.2 ss: 0.9 dist: 0.3 std_M: 0.7 std_O: 0.6
2012-06-15 depth: -3.54m lon: -151.71 lat: 60.47 θ_M^{gt} : 75° θ_O^{gt} : 77°
Tidal across-channel velocity from moored ADCP

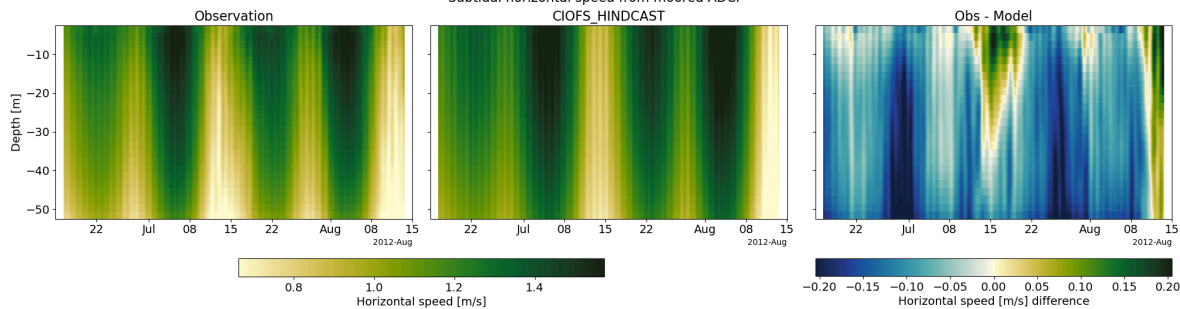


Subtidal

Horizontal speed

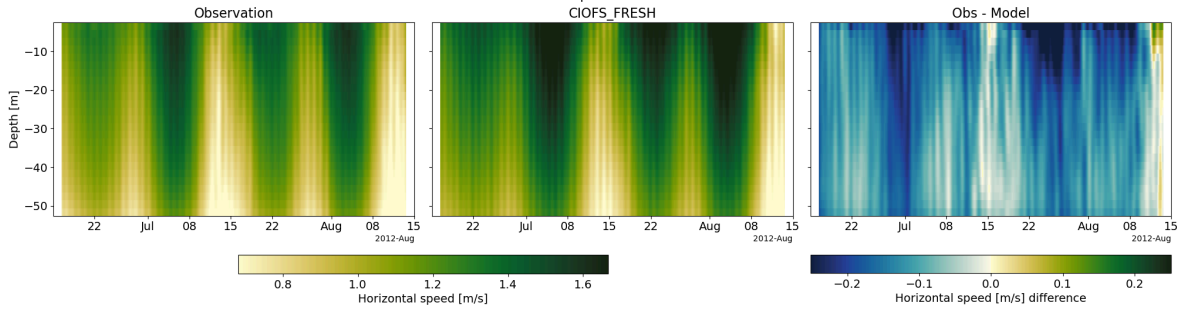
CIOFS_HINDCAST

COI1205: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.1 ss: 1.0 dist: 0.3 std_M: 0.2 std_O: 0.2
2012-06-15 depth: -3.54m lon: -151.71 lat: 60.47
Subtidal horizontal speed from moored ADCP



CIOFS_FRESH

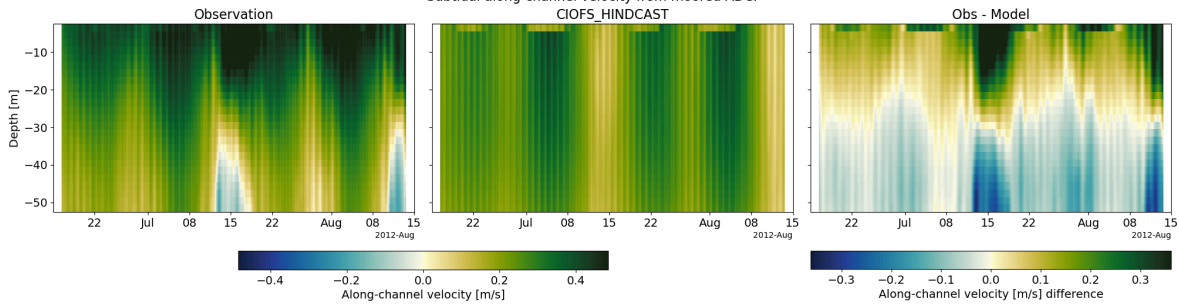
COI1205: bias: 0.1 corr: 1.0 ioa: 0.9 rmse: 0.1 ss: 1.0 dist: 0.3 std_M: 0.3 std_O: 0.2
 2012-06-15 depth: -3.54m lon: -151.71 lat: 60.47
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

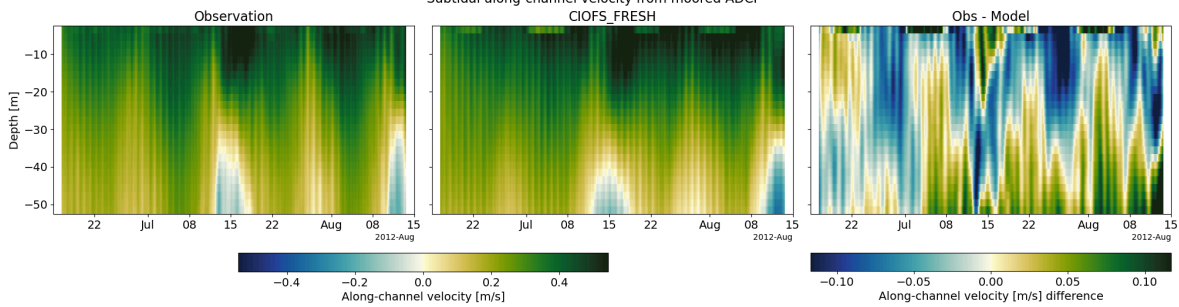
CIOFS_HINDCAST

COI1205: bias: -0.0 corr: 0.5 ioa: 0.6 rmse: 0.1 ss: 0.5 dist: 0.3 std_M: 0.1 std_O: 0.1
 2012-06-15 depth: -3.54m lon: -151.71 lat: 60.47 θ_M^{st} : 75° θ_O^{st} : 77°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

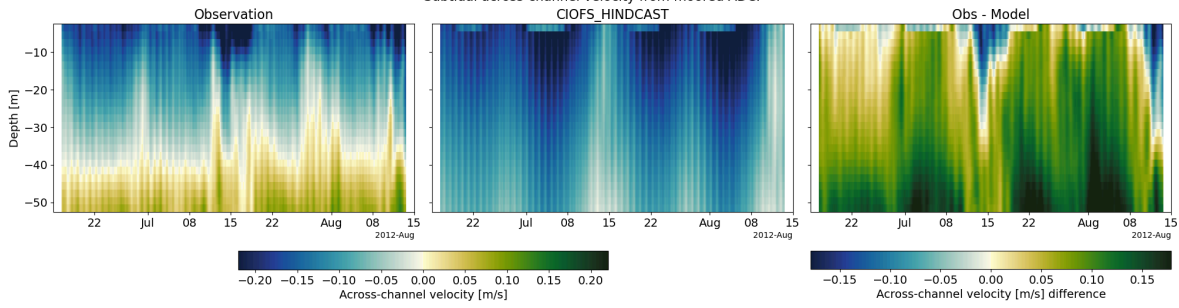
COI1205: bias: 0.0 corr: 0.9 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.3 std_M: 0.2 std_O: 0.1
 2012-06-15 depth: -3.54m lon: -151.71 lat: 60.47 θ_M^{st} : 75° θ_O^{st} : 77°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

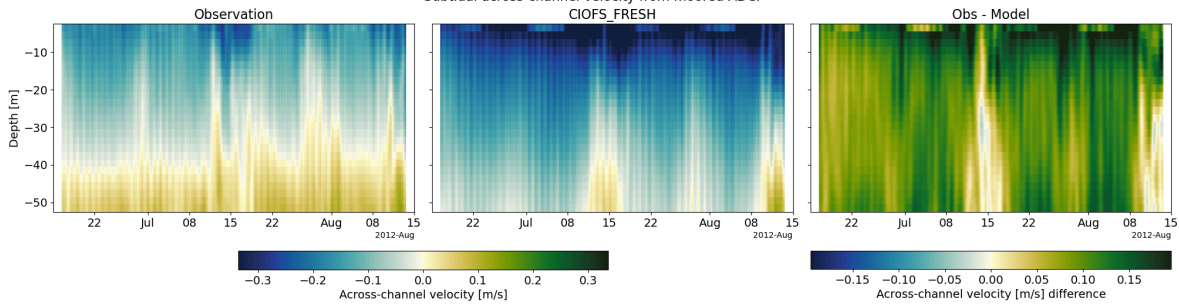
CIOFS_HINDCAST

COI1205: bias: -0.1 corr: 0.6 ioa: 0.6 rmse: 0.1 ss: 0.7 dist: 0.3 std_M: 0.0 std_O: 0.1
2012-06-15 depth: -3.54m lon: -151.71 lat: 60.47 θ_M^{rot} : 75° θ_O^{rot} : 77°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1205: bias: -0.1 corr: 0.9 ioa: 0.7 rmse: 0.0 ss: 0.9 dist: 0.3 std_M: 0.1 std_O: 0.1
2012-06-15 depth: -3.54m lon: -151.71 lat: 60.47 θ_M^{rot} : 75° θ_O^{rot} : 77°
Subtidal across-channel velocity from moored ADCP



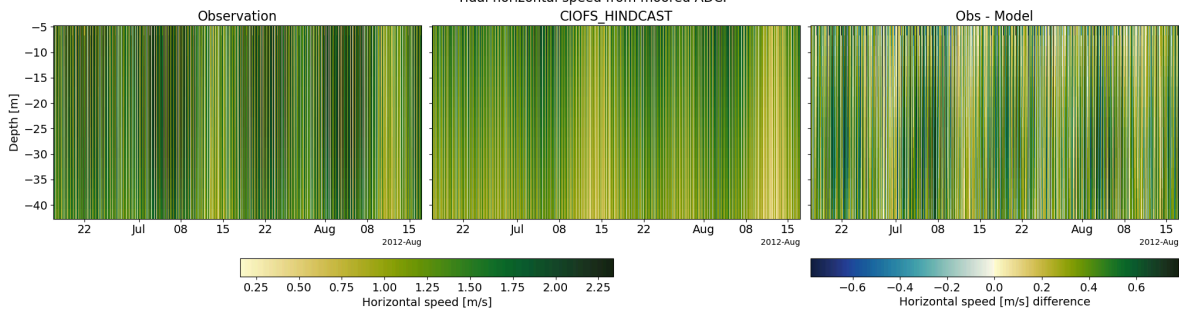
COI1207

Tidal

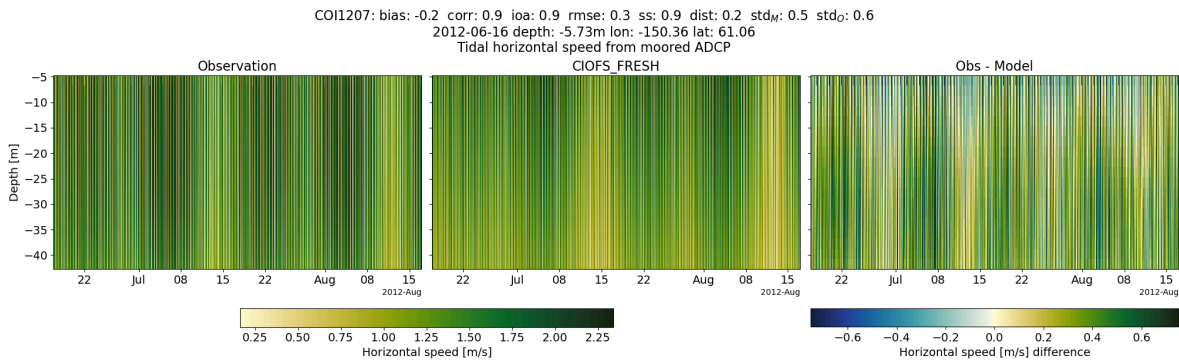
Horizontal speed

CIOFS_HINDCAST

COI1207: bias: -0.3 corr: 0.9 ioa: 0.9 rmse: 0.3 ss: 0.8 dist: 0.2 std_M: 0.5 std_O: 0.6
2012-06-16 depth: -5.73m lon: -150.36 lat: 61.06
Tidal horizontal speed from moored ADCP

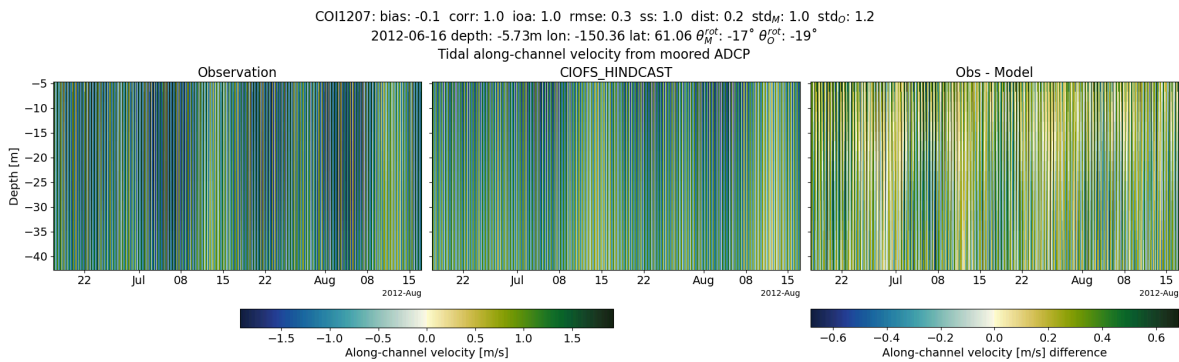


CIOFS_FRESH

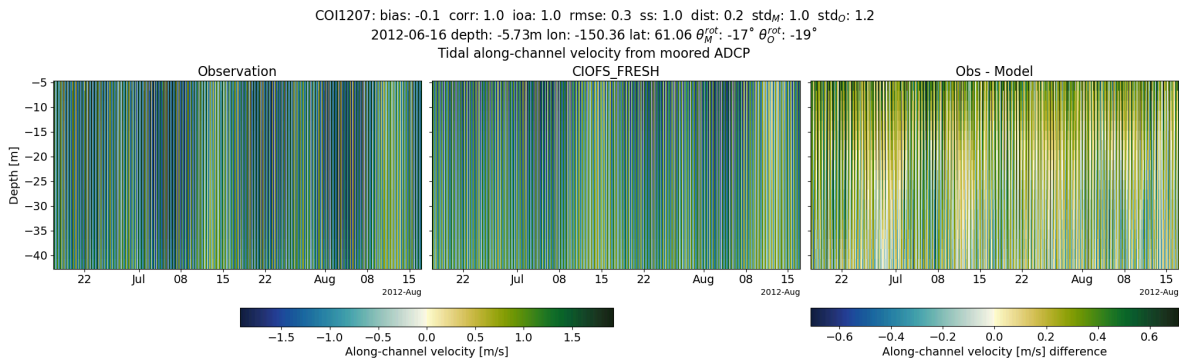


Along-channel velocity

CIOFS_HINDCAST

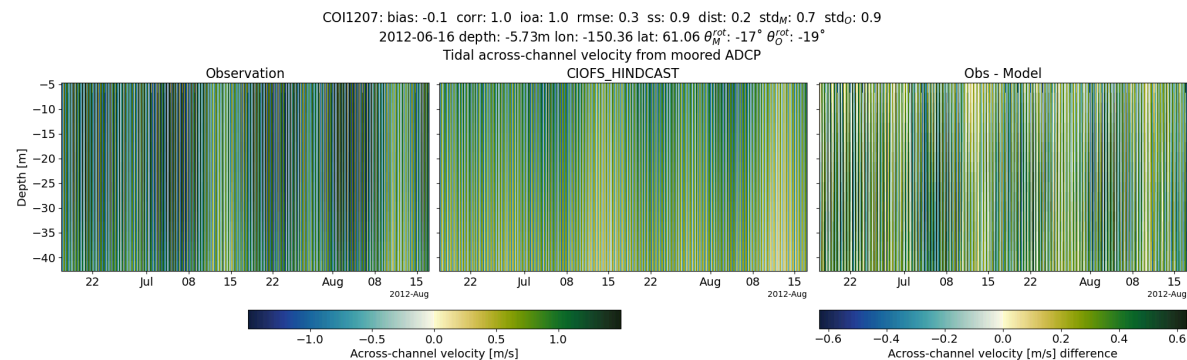


CIOFS_FRESH

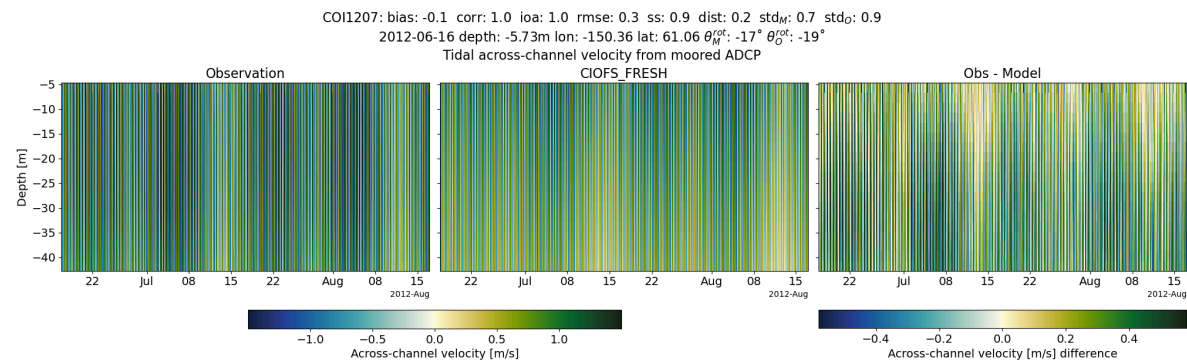


Across-channel velocity

CIOFS_HINDCAST



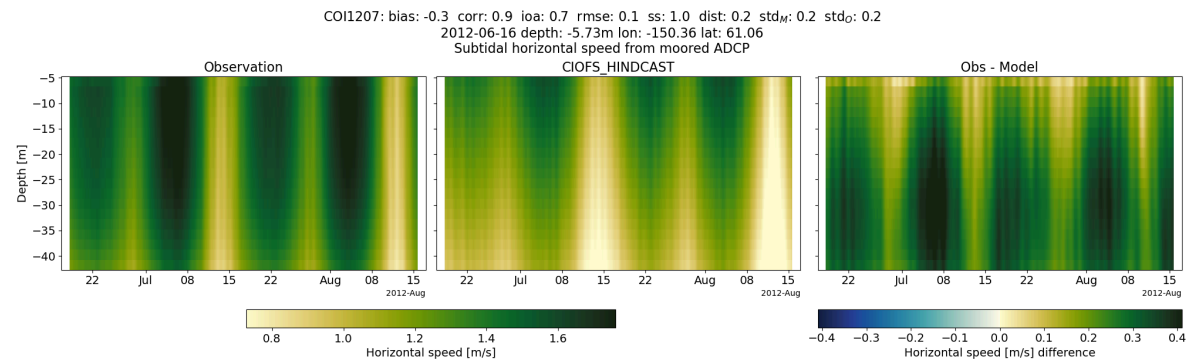
CIOFS_FRESH



Subtidal

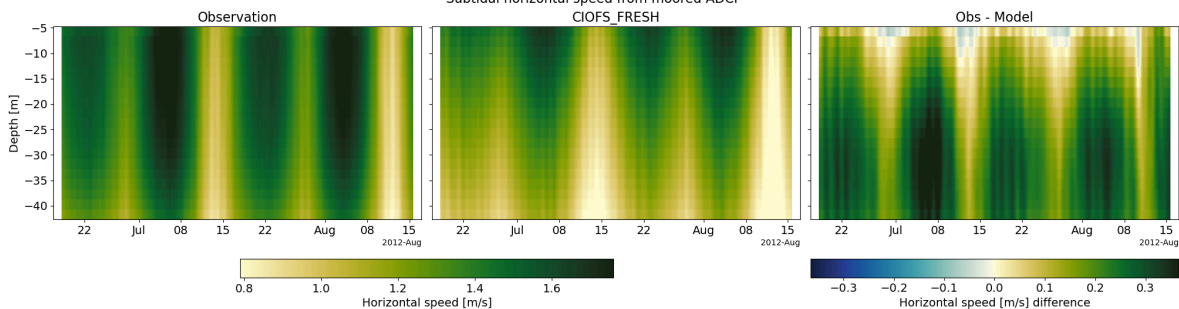
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

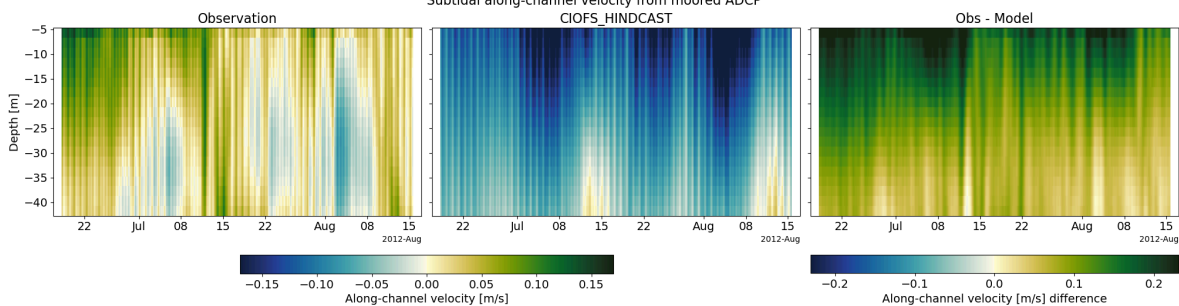
COI1207: bias: -0.2 corr: 0.9 ioa: 0.8 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.2 std_O: 0.2
 2012-06-16 depth: -5.73m lon: -150.36 lat: 61.06
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

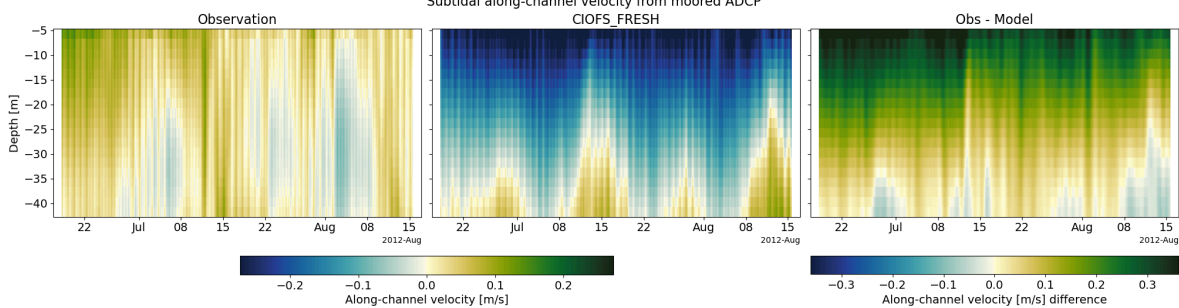
CIOFS_HINDCAST

COI1207: bias: -0.1 corr: 0.1 ioa: 0.3 rmse: 0.1 ss: 0.5 dist: 0.2 std_M: 0.0 std_O: 0.0
 2012-06-16 depth: -5.73m lon: -150.36 lat: 61.06 θ_M^{SC} : -17° θ_O^{SC} : -19°
 Subtidal along-channel velocity from moored ADCP



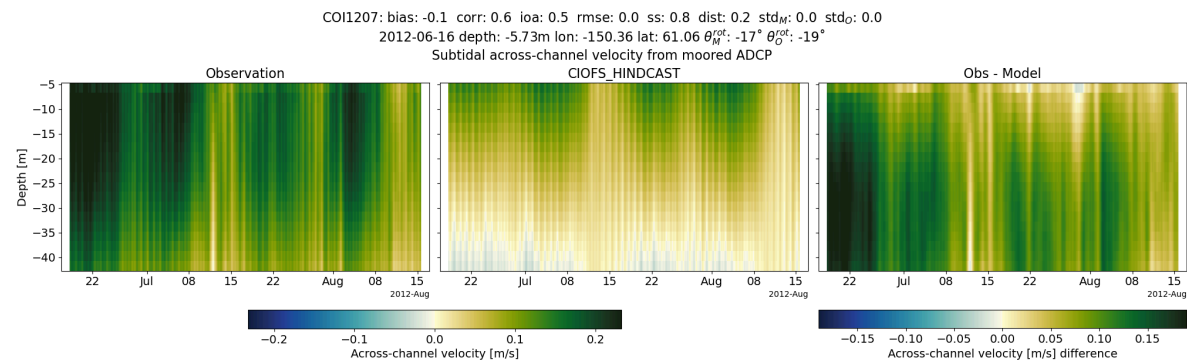
CIOFS_FRESH

COI1207: bias: -0.1 corr: -0.2 ioa: 0.2 rmse: 0.1 ss: 0.2 dist: 0.2 std_M: 0.1 std_O: 0.0
 2012-06-16 depth: -5.73m lon: -150.36 lat: 61.06 θ_M^{SC} : -17° θ_O^{SC} : -19°
 Subtidal along-channel velocity from moored ADCP

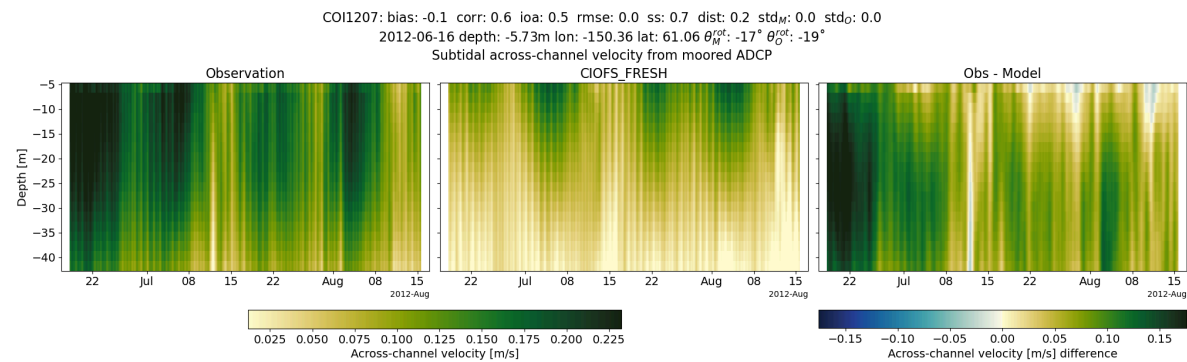


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

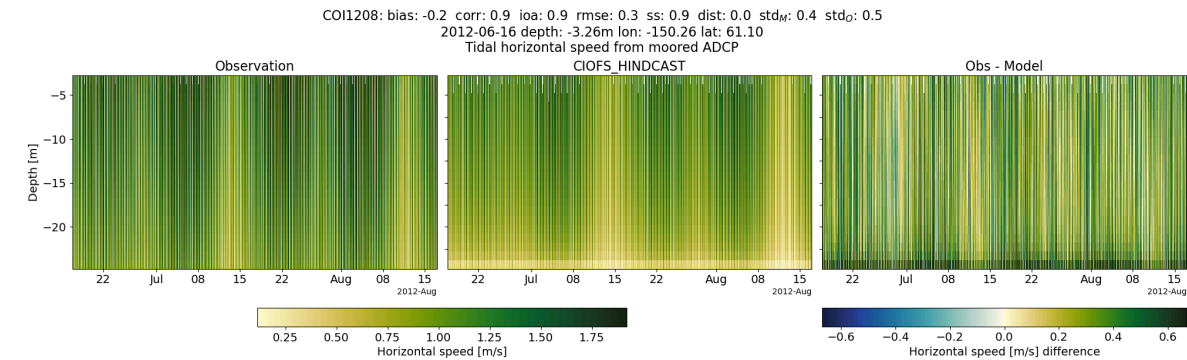


COI1208

Tidal

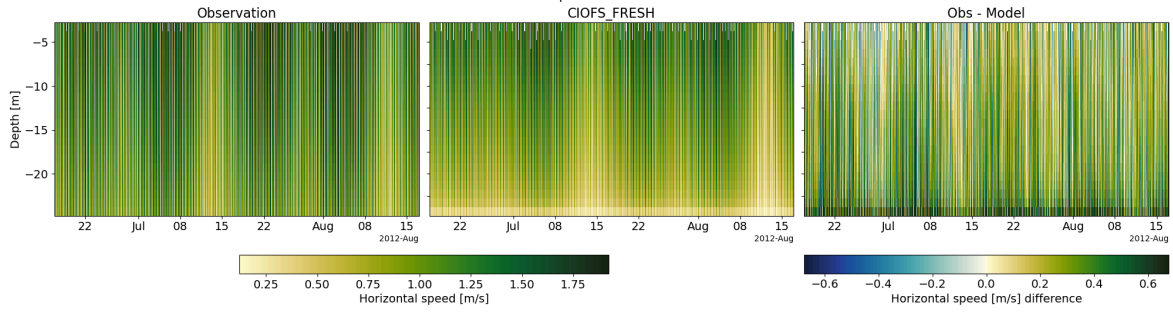
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

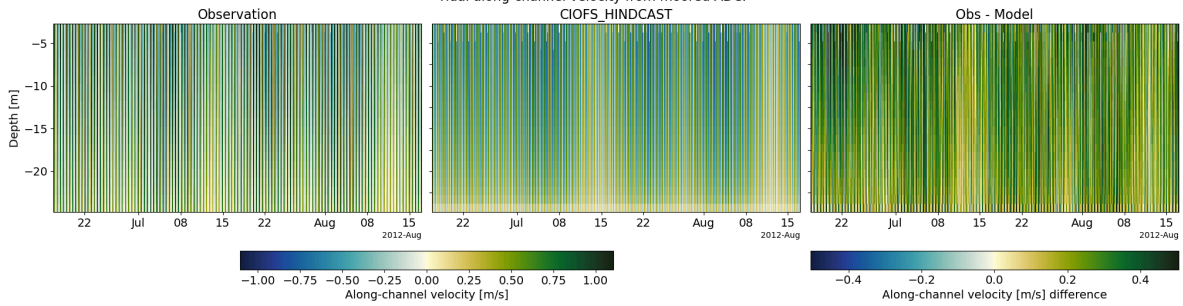
COI1208: bias: -0.2 corr: 0.9 ioa: 0.9 rmse: 0.3 ss: 0.9 dist: 0.0 std_M: 0.4 std_O: 0.5
 2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10
 Tidal horizontal speed from moored ADCP



Along-channel velocity

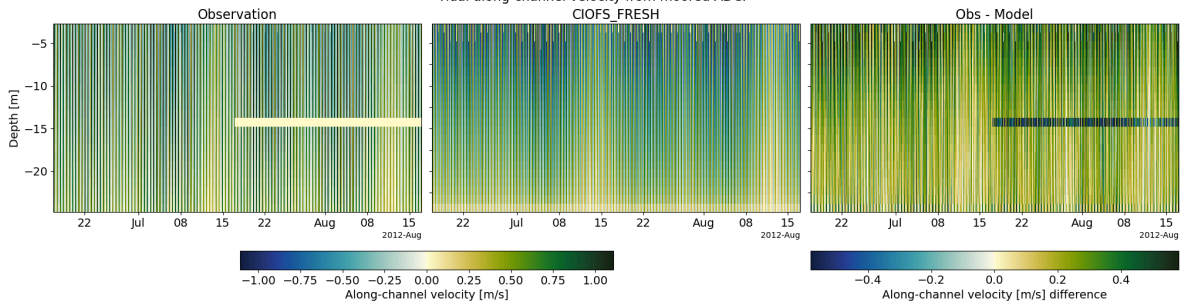
CIOFS_HINDCAST

COI1208: bias: -0.2 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 1.0 dist: 0.0 std_M: 0.5 std_O: 0.5
 2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10 $\theta_M^{90^\circ}$: -30° $\theta_O^{90^\circ}$: -33°
 Tidal along-channel velocity from moored ADCP



CIOFS_FRESH

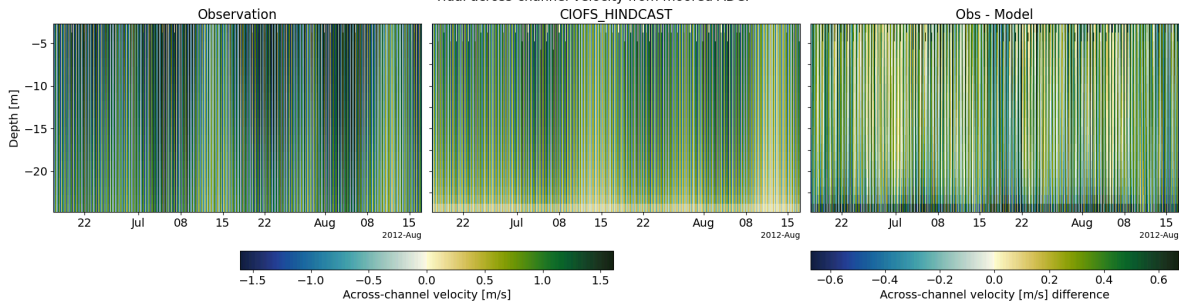
COI1208: bias: -0.2 corr: 0.9 ioa: 0.9 rmse: 0.2 ss: 1.0 dist: 0.0 std_M: 0.5 std_O: 0.5
 2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10 $\theta_M^{90^\circ}$: -29° $\theta_O^{90^\circ}$: -33°
 Tidal along-channel velocity from moored ADCP



Across-channel velocity

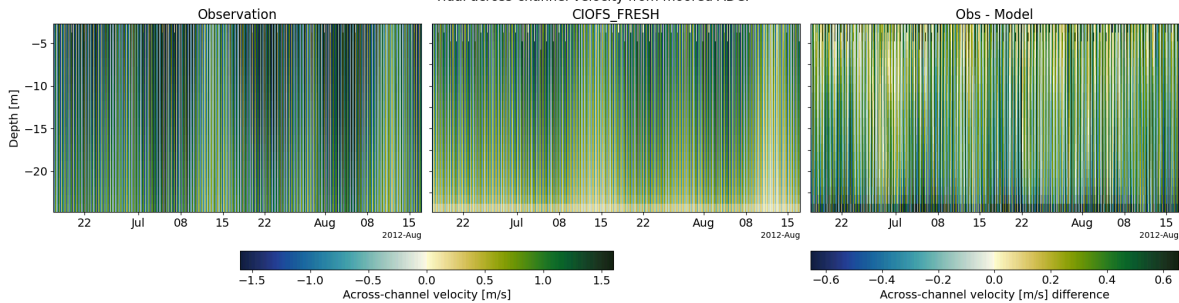
CIOFS_HINDCAST

COI1208: bias: -0.1 corr: 1.0 ioa: 1.0 rmse: 0.3 ss: 0.9 dist: 0.0 std_M: 0.8 std_O: 1.0
2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10 $\theta_M^{90^\circ}$: -30° $\theta_O^{90^\circ}$: -33°
Tidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1208: bias: -0.1 corr: 1.0 ioa: 1.0 rmse: 0.3 ss: 0.9 dist: 0.0 std_M: 0.8 std_O: 1.0
2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10 $\theta_M^{90^\circ}$: -29° $\theta_O^{90^\circ}$: -33°
Tidal across-channel velocity from moored ADCP

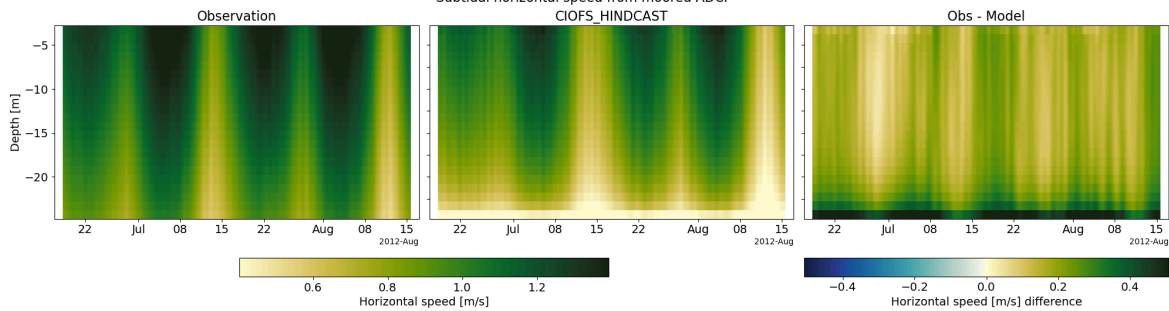


Subtidal

Horizontal speed

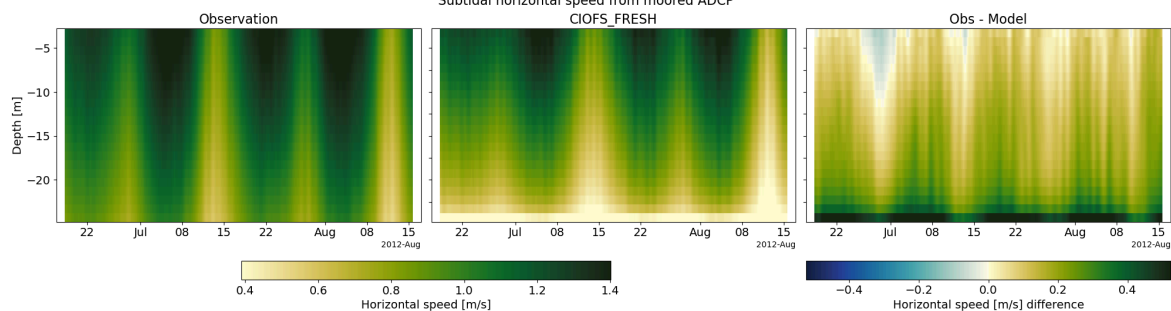
CIOFS_HINDCAST

COI1208: bias: -0.2 corr: 0.9 ioa: 0.8 rmse: 0.1 ss: 0.9 dist: 0.0 std_M: 0.2 std_O: 0.2
2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10
Subtidal horizontal speed from moored ADCP



CIOFS_FRESH

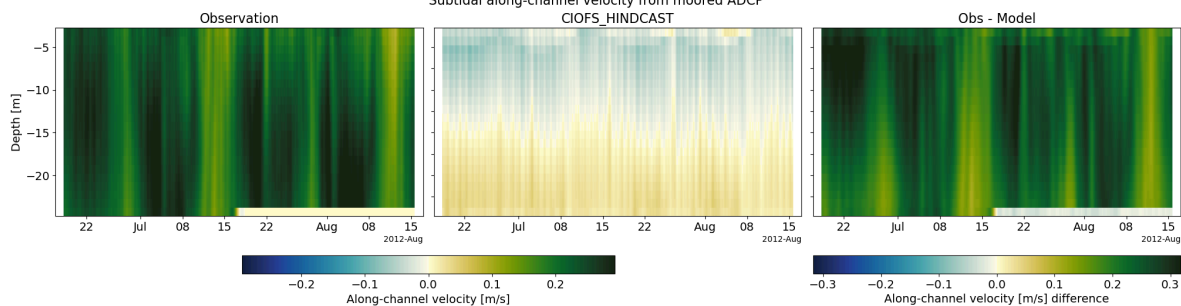
COI1208: bias: -0.2 corr: 0.9 ioa: 0.8 rmse: 0.1 ss: 0.9 dist: 0.0 std_M: 0.3 std_O: 0.2
 2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

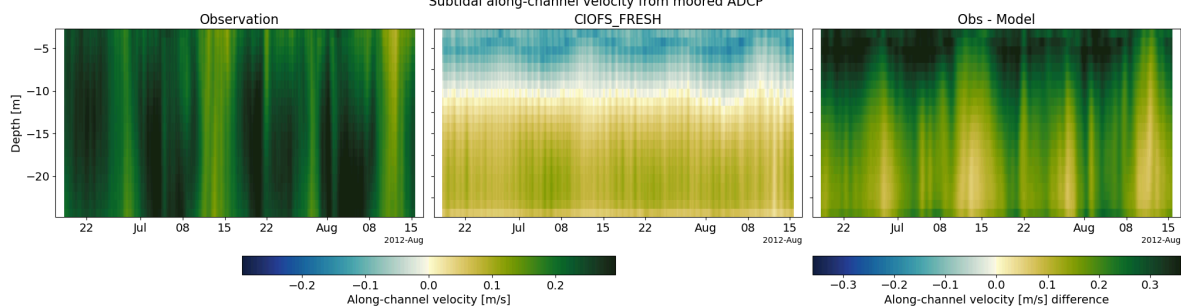
CIOFS_HINDCAST

COI1208: bias: -0.2 corr: 0.0 ioa: 0.2 rmse: 0.1 ss: 0.3 dist: 0.0 std_M: 0.0 std_O: 0.1
 2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10 $\theta_M^{0^\circ}$: -30° $\theta_O^{0^\circ}$: -33°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

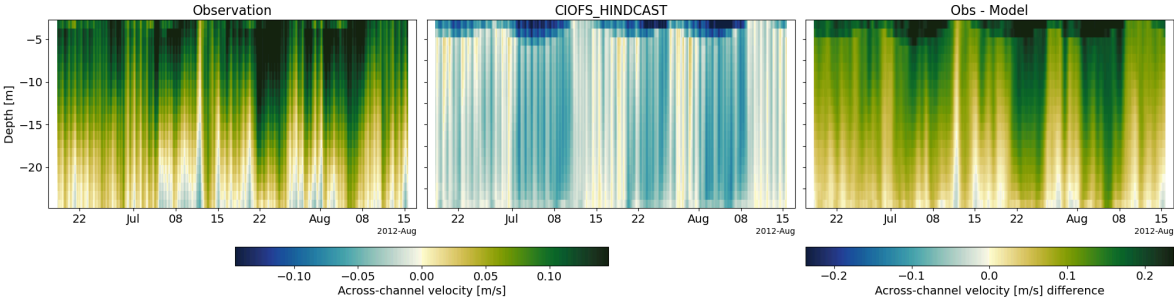
COI1208: bias: -0.2 corr: 0.3 ioa: 0.3 rmse: 0.1 ss: 0.5 dist: 0.0 std_M: 0.1 std_O: 0.0
 2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10 $\theta_M^{0^\circ}$: -29° $\theta_O^{0^\circ}$: -33°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

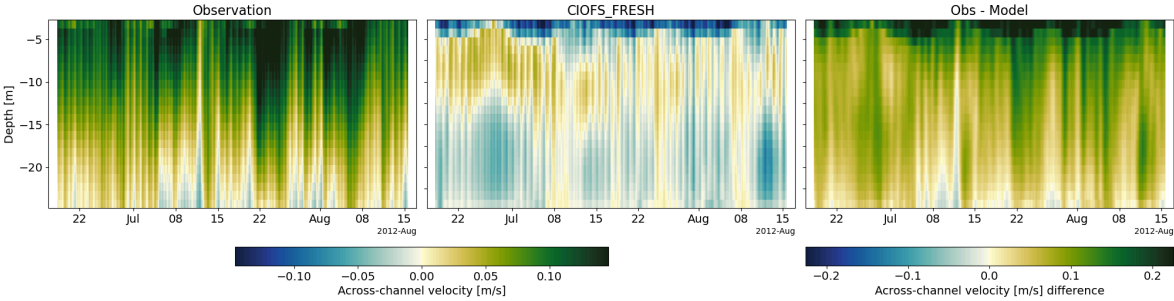
CIOFS_HINDCAST

COI1208: bias: -0.1 corr: -0.2 ioa: 0.4 rmse: 0.1 ss: 0.3 dist: 0.0 std_M: 0.0 std_O: 0.0
2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10 $\theta_{M}^{60^\circ}$: -30° $\theta_{O}^{60^\circ}$: -33°
Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1208: bias: -0.1 corr: 0.1 ioa: 0.4 rmse: 0.1 ss: 0.4 dist: 0.0 std_M: 0.0 std_O: 0.0
2012-06-16 depth: -3.26m lon: -150.26 lat: 61.10 $\theta_{M}^{60^\circ}$: -29° $\theta_{O}^{60^\circ}$: -33°
Subtidal across-channel velocity from moored ADCP



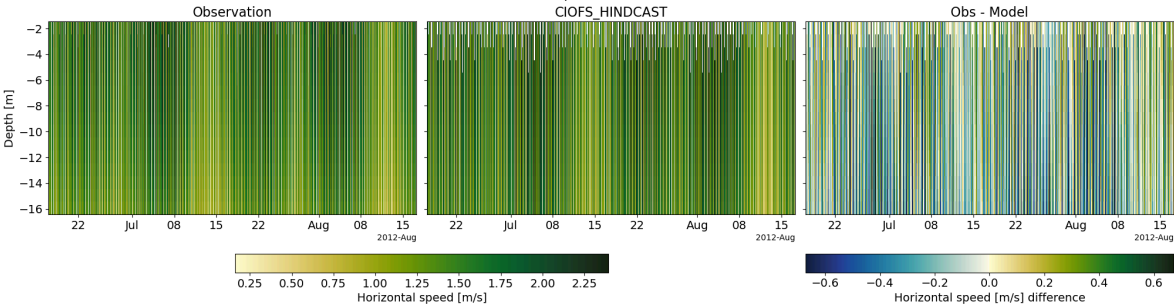
COI1209

Tidal

Horizontal speed

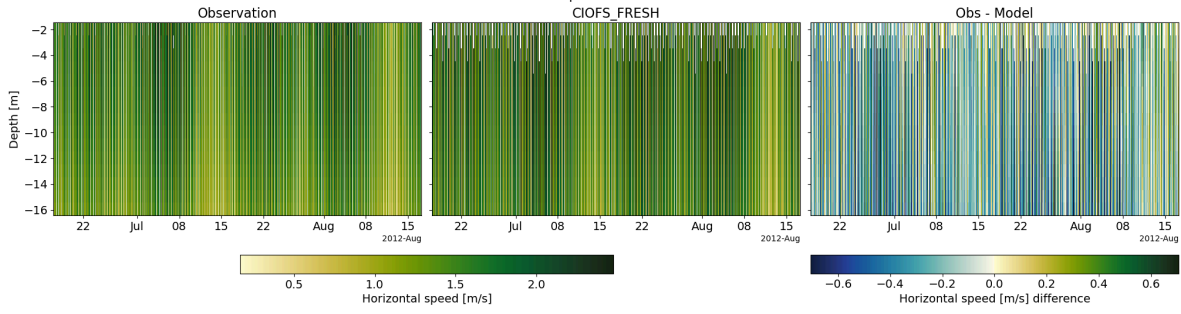
CIOFS_HINDCAST

COI1209: bias: 0.1 corr: 0.9 ioa: 0.9 rmse: 0.3 ss: 0.9 dist: 0.1 std_M: 0.6 std_O: 0.6
2012-06-17 depth: -1.95m lon: -150.20 lat: 61.18
Tidal horizontal speed from moored ADCP



CIOFS_FRESH

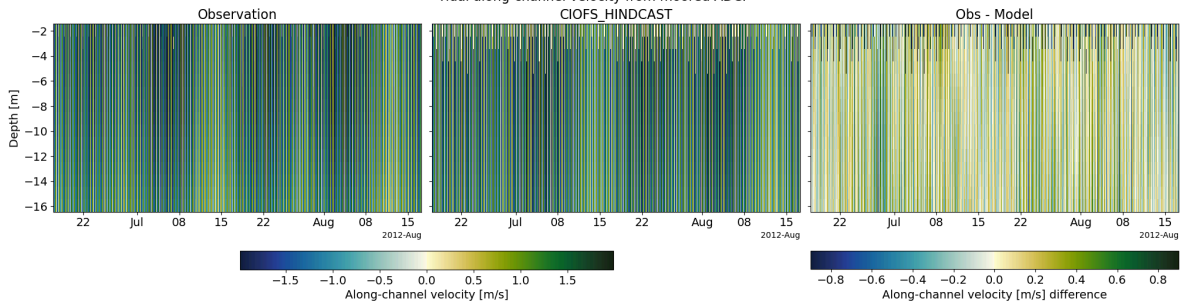
COI1209: bias: 0.2 corr: 0.9 ioa: 0.9 rmse: 0.3 ss: 0.9 dist: 0.1 std_M: 0.6 std_O: 0.6
 2012-06-17 depth: -1.95m lon: -150.20 lat: 61.18
 Tidal horizontal speed from moored ADCP



Along-channel velocity

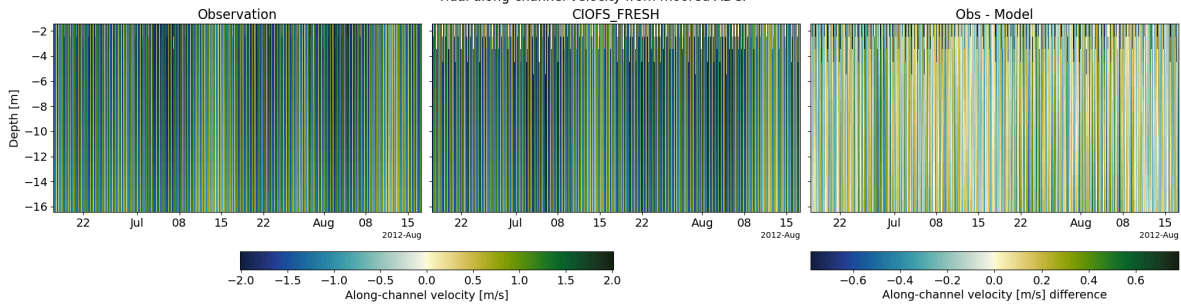
CIOFS_HINDCAST

COI1209: bias: 0.0 corr: 1.0 ioa: 1.0 rmse: 0.3 ss: 1.0 dist: 0.1 std_M: 1.2 std_O: 1.3
 2012-06-17 depth: -1.95m lon: -150.20 lat: 61.18 $\theta_M^{O^t}$: 17° $\theta_O^{O^t}$: 14°
 Tidal along-channel velocity from moored ADCP



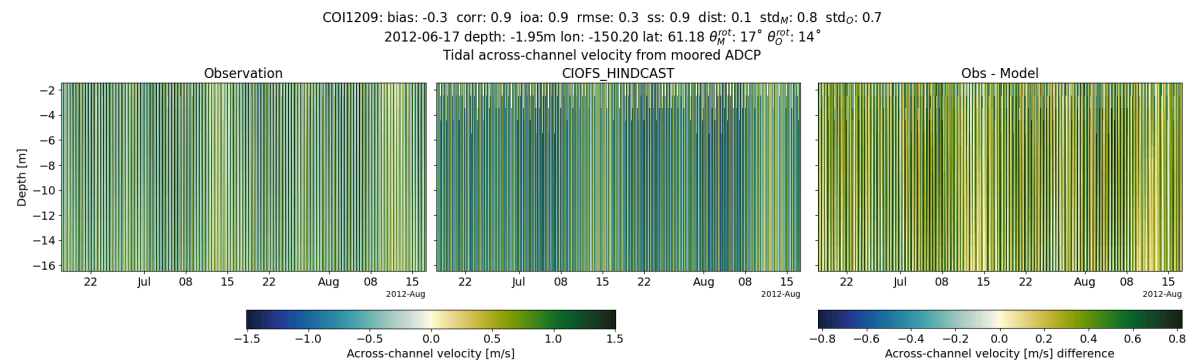
CIOFS_FRESH

COI1209: bias: 0.0 corr: 1.0 ioa: 1.0 rmse: 0.3 ss: 1.0 dist: 0.1 std_M: 1.3 std_O: 1.3
 2012-06-17 depth: -1.95m lon: -150.20 lat: 61.18 $\theta_M^{O^t}$: 17° $\theta_O^{O^t}$: 14°
 Tidal along-channel velocity from moored ADCP

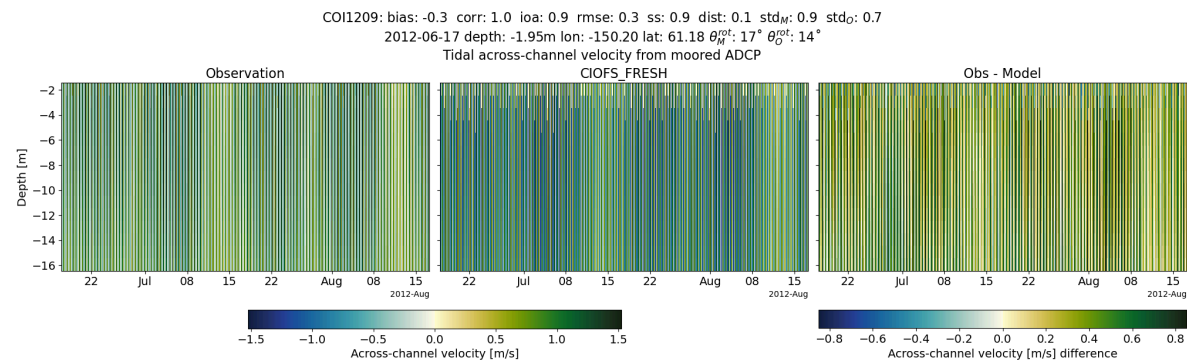


Across-channel velocity

CIOFS_HINDCAST



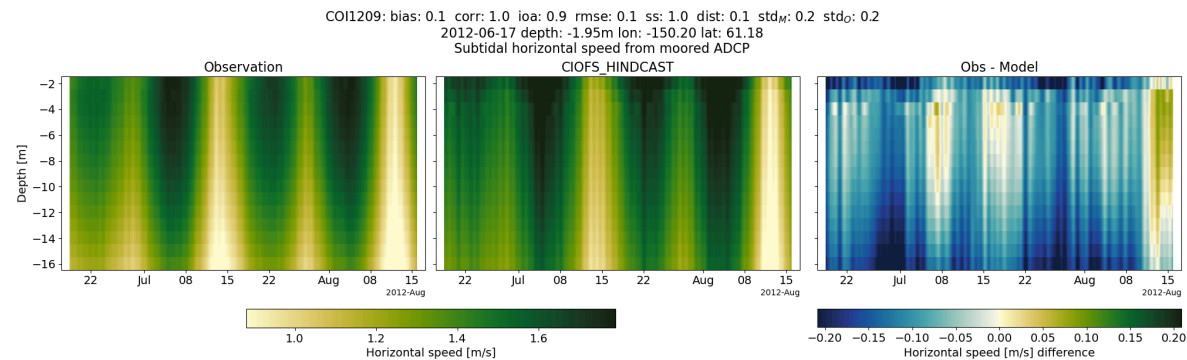
CIOFS_FRESH



Subtidal

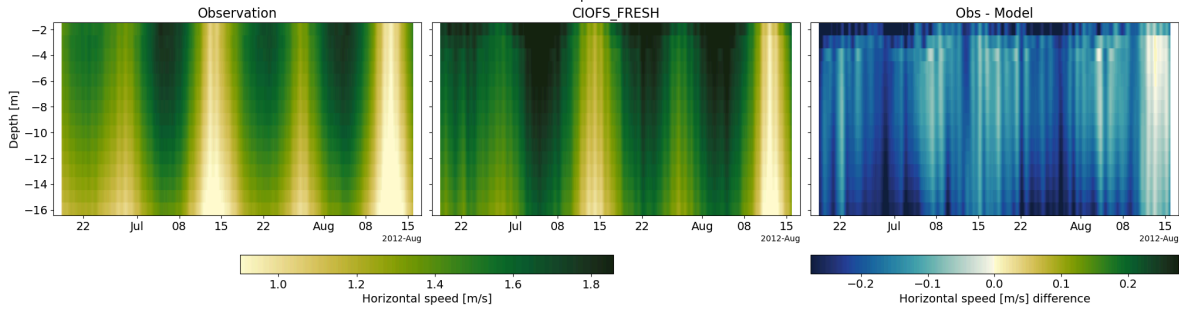
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

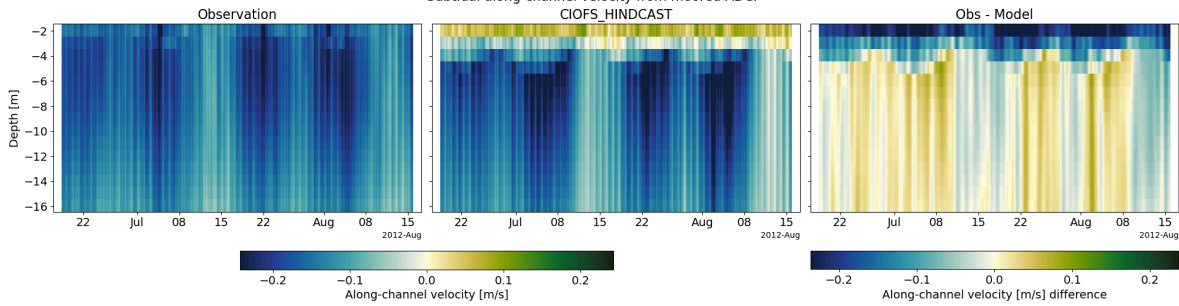
COI1209: bias: 0.2 corr: 1.0 ioa: 0.9 rmse: 0.1 ss: 1.0 dist: 0.1 std_M: 0.2 std_O: 0.2
 2012-06-17 depth: -1.95m lon: -150.20 lat: 61.18
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

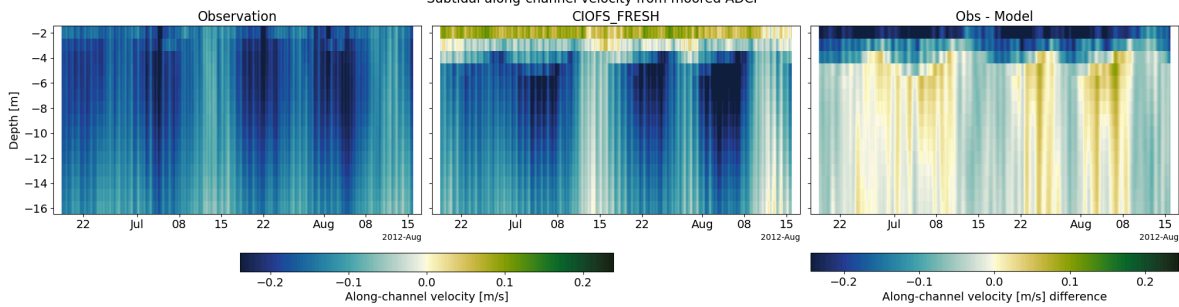
CIOFS_HINDCAST

COI1209: bias: 0.0 corr: 0.4 ioa: 0.6 rmse: 0.1 ss: 0.5 dist: 0.1 std_M: 0.1 std_O: 0.0
 2012-06-17 depth: -1.95m lon: -150.20 lat: 61.18 θ_M^{ot} : 17° θ_O^{ot} : 14°
 Subtidal along-channel velocity from moored ADCP



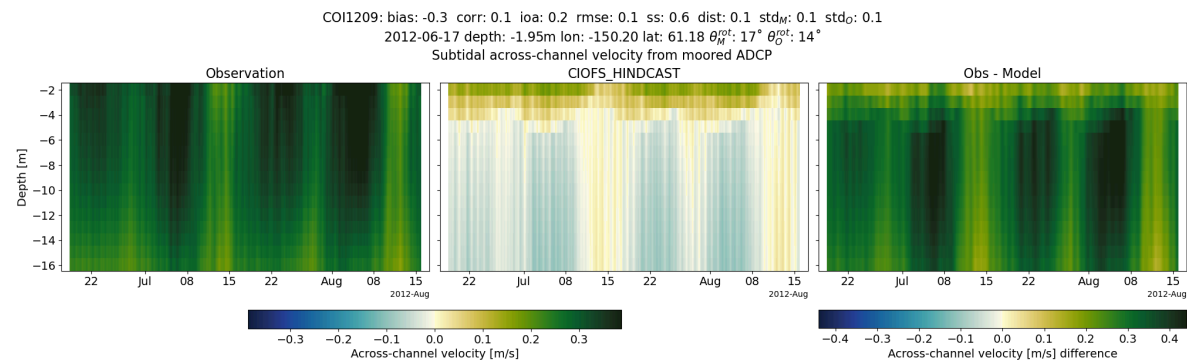
CIOFS_FRESH

COI1209: bias: 0.0 corr: 0.5 ioa: 0.6 rmse: 0.1 ss: 0.5 dist: 0.1 std_M: 0.1 std_O: 0.0
 2012-06-17 depth: -1.95m lon: -150.20 lat: 61.18 θ_M^{ot} : 17° θ_O^{ot} : 14°
 Subtidal along-channel velocity from moored ADCP

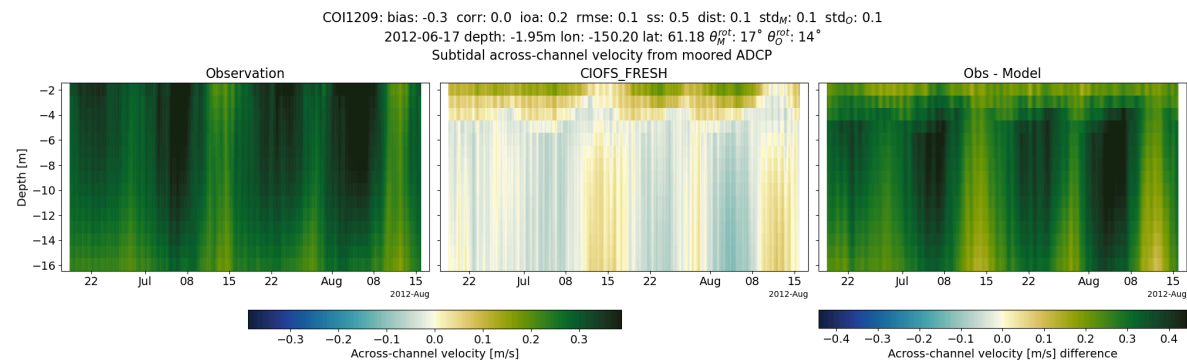


Across-channel velocity

CIOFS_HINDCAST



CIOFS_FRESH

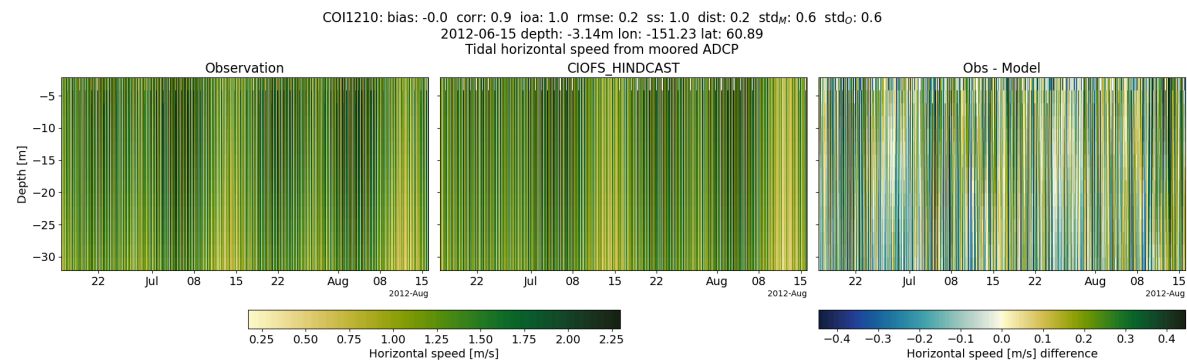


COI1210

Tidal

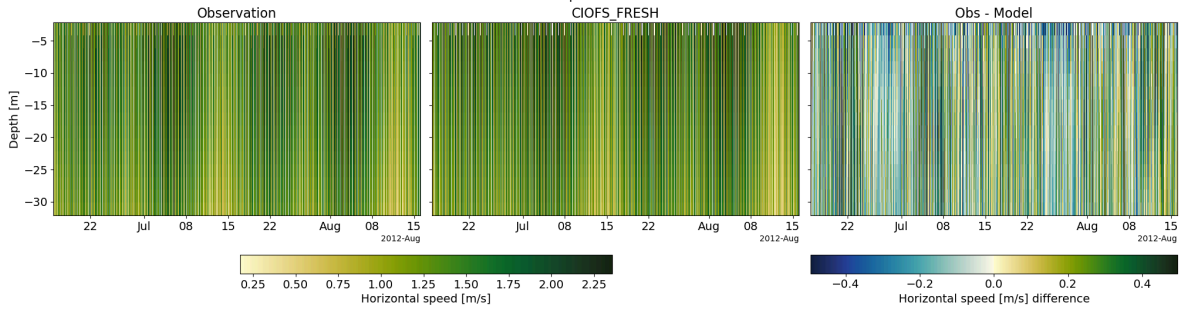
Horizontal speed

CIOFS_HINDCAST



CIOFS_FRESH

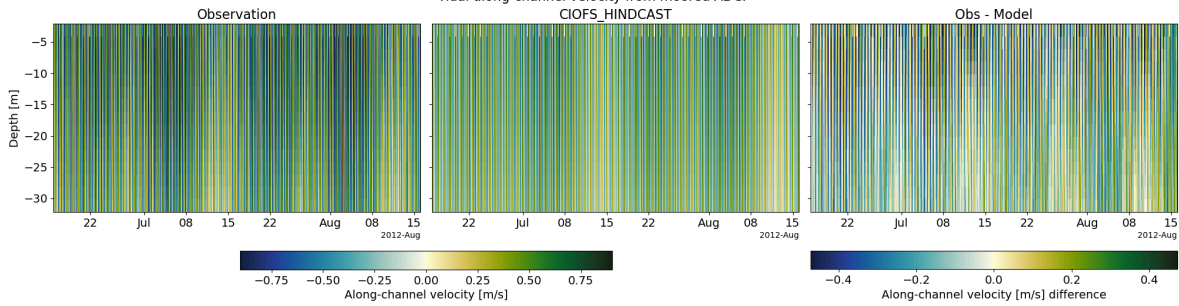
COI1210: bias: 0.0 corr: 0.9 ioa: 1.0 rmse: 0.2 ss: 1.0 dist: 0.2 std_M: 0.6 std_O: 0.6
 2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89
 Tidal horizontal speed from moored ADCP



Along-channel velocity

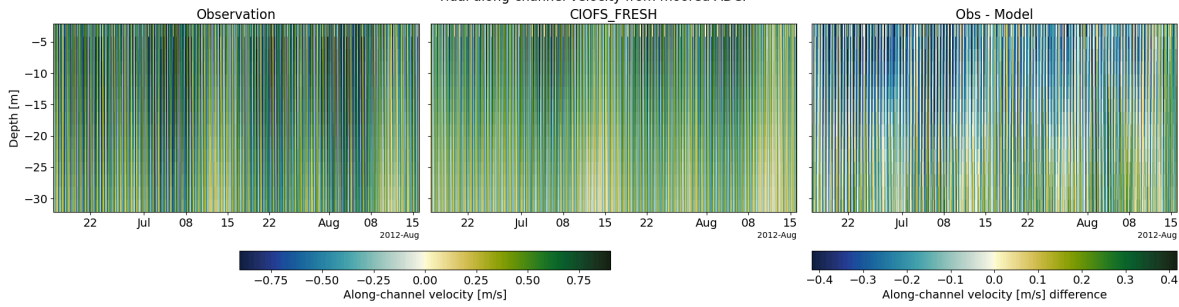
CIOFS_HINDCAST

COI1210: bias: 0.1 corr: 1.0 ioa: 0.9 rmse: 0.2 ss: 0.9 dist: 0.2 std_M: 0.4 std_O: 0.5
 2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89 θ_M^{rot} : 37° θ_O^{rot} : 34°
 Tidal along-channel velocity from moored ADCP



CIOFS_FRESH

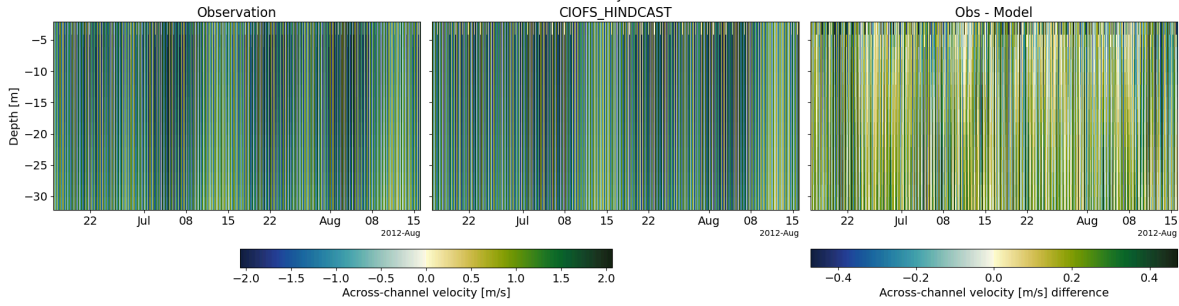
COI1210: bias: 0.1 corr: 1.0 ioa: 1.0 rmse: 0.2 ss: 0.9 dist: 0.2 std_M: 0.4 std_O: 0.5
 2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89 θ_M^{rot} : 37° θ_O^{rot} : 34°
 Tidal along-channel velocity from moored ADCP



Across-channel velocity

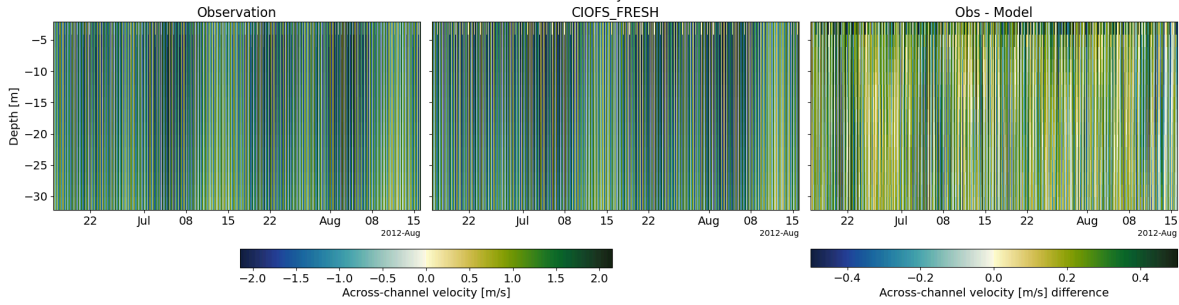
CIOFS_HINDCAST

COI1210: bias: -0.1 corr: 1.0 ioa: 1.0 rmse: 0.2 ss: 1.0 dist: 0.2 std_M: 1.3 std_O: 1.3
2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89 θ_M^{gt} : 37° θ_O^{gt} : 34°
Tidal across-channel velocity from moored ADCP



COIFS_FRESH

COI1210: bias: -0.1 corr: 1.0 ioa: 1.0 rmse: 0.2 ss: 1.0 dist: 0.2 std_M: 1.3 std_O: 1.3
2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89 θ_M^{gt} : 37° θ_O^{gt} : 34°
Tidal across-channel velocity from moored ADCP

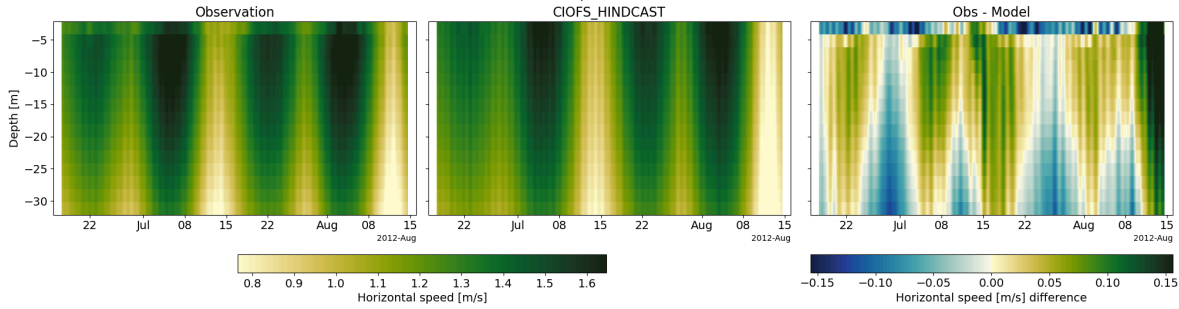


Subtidal

Horizontal speed

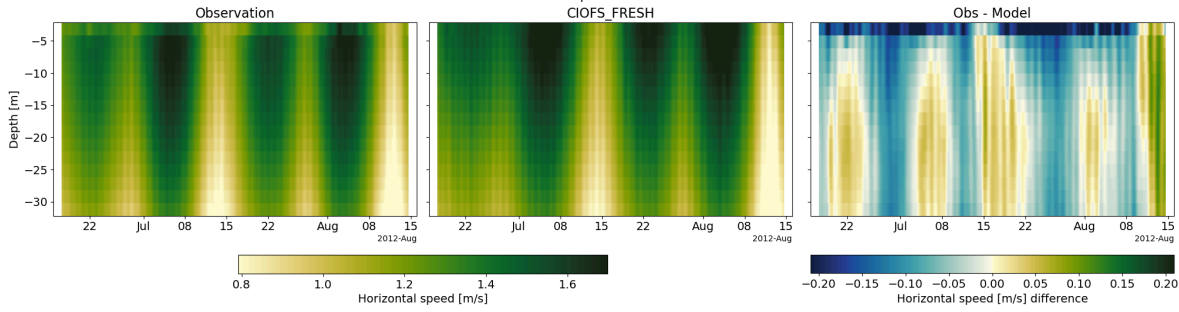
COIFS_HINDCAST

COI1210: bias: -0.0 corr: 1.0 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.2 std_O: 0.2
2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89
Subtidal horizontal speed from moored ADCP



COIFS_FRESH

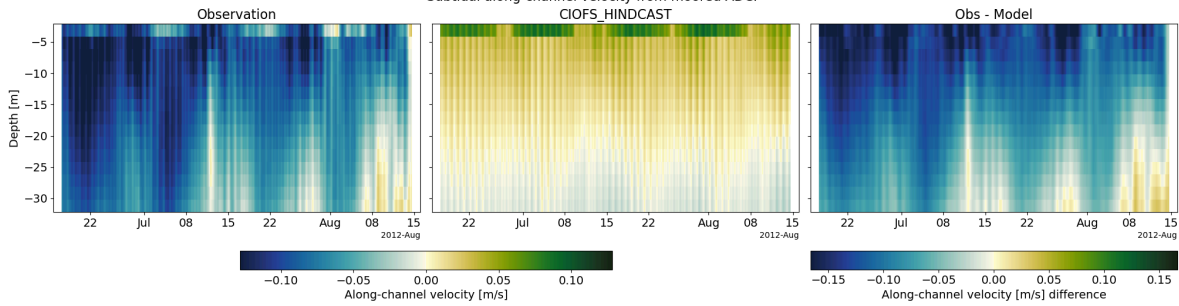
COI1210: bias: 0.0 corr: 1.0 ioa: 1.0 rmse: 0.1 ss: 1.0 dist: 0.2 std_M: 0.2 std_O: 0.2
 2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89
 Subtidal horizontal speed from moored ADCP



Along-channel velocity

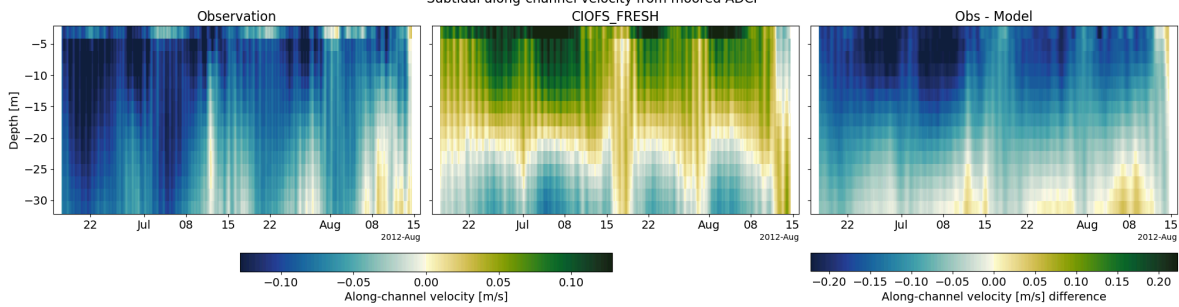
CIOFS_HINDCAST

COI1210: bias: 0.1 corr: -0.3 ioa: 0.3 rmse: 0.0 ss: 0.3 dist: 0.2 std_M: 0.0 std_O: 0.0
 2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89 θ_M^{ot} : 37° θ_O^{ot} : 34°
 Subtidal along-channel velocity from moored ADCP



CIOFS_FRESH

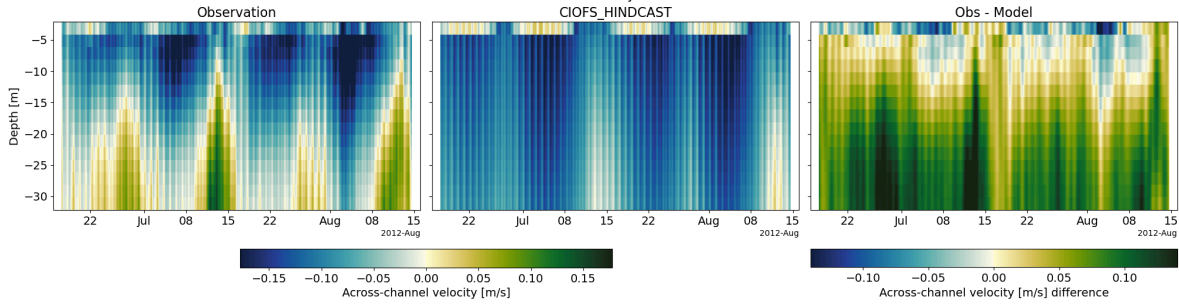
COI1210: bias: 0.1 corr: -0.3 ioa: 0.2 rmse: 0.1 ss: 0.3 dist: 0.2 std_M: 0.0 std_O: 0.0
 2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89 θ_M^{ot} : 37° θ_O^{ot} : 34°
 Subtidal along-channel velocity from moored ADCP



Across-channel velocity

CIOFS_HINDCAST

COI1210: bias: -0.1 corr: 0.7 ioa: 0.7 rmse: 0.0 ss: 0.7 dist: 0.2 std_M: 0.0 std_O: 0.1
 2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89 θ_M^{rot} : 37° θ_O^{rot} : 34°
 Subtidal across-channel velocity from moored ADCP



CIOFS_FRESH

COI1210: bias: -0.1 corr: 0.9 ioa: 0.8 rmse: 0.0 ss: 0.9 dist: 0.2 std_M: 0.1 std_O: 0.1
 2012-06-15 depth: -3.14m lon: -151.23 lat: 60.89 θ_M^{rot} : 37° θ_O^{rot} : 34°
 Subtidal across-channel velocity from moored ADCP

