

## TUG/BARGE & SMALL CRAFT FORECAST & ROUTING

Weather Routing, Inc. (WRI) offers a variety of forecast services for tug/barge and small craft/ferry operators. Whether a slow moving barge transiting across the Gulf of Mexico, a regular ferry run, or a supply vessel fleet off the Nigeria coast, WRI's detailed voyage and site specific forecasts can give the necessary information to maintain safe and efficient operations.

WRI combines the best of technology with a long history of marine forecast experience to provide accurate, detailed forecasts. WRI is continuously monitoring and analyzing weather and ocean current patterns to evaluate for the optimum route: fast and safe.

## WRI's Detailed Forecast and Route Data for small vessels includes:

- Detailed 5 day forecast with wind, sea and weather conditions.
- Forecast maps showing pressure, wind, seas, and more.
- Real-time and forecast ocean current data.
- Optimum Route considering distance, speed, weather and currents (weather/current factors provided).
- Continuous Tropical Threat monitoring.
- Continuous Heavy Weather monitoring.
- Access to Dolphin website with a suite of detailed analysis and forecast charts for winds, seas, visibilities, ocean currents and more.
- WRI marine meteorologists available 24/7 for consultation.



**Tropical Monitoring --** Our staff of experienced marine meteorologists are continuously monitoring the tropics for any active or "potential" tropical systems. Tropical lows are classified up to 2 to 3 days ahead of government agencies, giving valuable lead time for potential route and/or



High-resolution seas analysis on Dolphin

		ecast for Ve						red on Jan 14 17:
ANCOUVER						t to 1	sunRise ce rest of Attu Island, RL - Erimo Point, direct	04 SunSet: 16:33 (S
aikyo, direct thro				offilliak Pass, i	mes		rest of Add Island, RE FERRIO Point, direct	unougn rsuga
Forecast Period	Wind Dir	Wind Spd (Beaufort)	Swell Dir	Swell Hght (Meters)	Per	Vis (nm)	Sky Conditions / Advisory	Currents Dir From Kos
DEPT-15/00Z	E-SE	3LESS	W-NW	1.0LESS	11		NONE	NW @ 0.1kt
DETTINUTE							Hazandous Seas ADV/SORY	Air Temp 471
15/00Z-06Z	SW-S	3LESS	W-NW	BUILD 1.0-3.0	11	7	NONE	WNW @ 0.10 Air Temp 481
15/06Z-12Z	S-SW	4-5	WSW-WNW	3.0-4.0	10	6	Hazardous Seas ADVISORY NONE	SE @ 0.1kt
101002-122							Hazardous Seas ADVISORY	Air Temp 481
15/12Z-18Z	SSW-WSW	4-5	W\$W-WNW	3.5-4.5	11	3	NONE	SSW @ 1kt
15/18Z-00Z	SSE-SSW	4-5	SW-W	3545	10	1	ISOLATED SHWRS / PATCHY FOG	Air Temp 48". NW (b) 0.4kt
10r16Z-00Z	AAF-99M	4-0	0.11-W	0.04.0	10	1		Air Temp 48"
16/00Z-06Z	SSE-SSW	5-6 BRF 7	\$W-W	3.0-4.0	10	<1	ISOLATED SHWRS / DENSE FOG	WSW @ 0.7
	SSE-SSW	BRF 7	SSW-WSW	3040	09	1	PATCHY FOG	Air Temp 48'/ S (0.0.2kts
16/06Z-12Z	SSE-SSW	6-7 BRF 8	SSW-WSW	3.0-4.0	09	1	Paront Foo	5 (g) 0.2kts Air Terro 481
16/12Z-18Z 16/18Z-00Z	SSE-SSW	6-7	S-SW	4.5-5.5	09	<1	DENSE FOG	S @ 0.94ts
	00000000000	BRF 8	1000		1			Air Temp 491
	SE-S	6-7 BRF 8	S-SW	5.5-6.5	10	<1	ISOLATED SHWRS / DENSE FOG	55W @ 0.3k
17/00Z-12Z	SE-S	7-8	S-SE	5.0-6.0	10	-1	SCATTERED SHWRSISOUALLS / DENSE FOG	Air Temp 49* S @ 0.8kts
	6-36	1-0	30-06	0.0-0.0	10	41		S @ 0.8kts Air Temp 45"
	VEER	7-8	SE-S	5.0-6.5	11	3	ISOLATED SHWRS	WNW @ 0.6
18/00Z-12Z	SE-S-SW		100000					Air Temp 45*
	SSW-WSW	7-8 BRE 9	S-SE/MSW	5.5-6.5	11	4	SCATTERED SHWRS/SQUALLS	WSW @ 0.2
18/12Z-00Z	SW-W	6-7	W-SW	LOWER 5.5-2.5	11	7	SCATTERED SHWRS/SQUALLS	Air Temp 36". NNW @ 0.39
10/122-002	011-11	0-1	MIXED SE	LOWER 0.0-2.5	"	'		Air Temp 35"
19/00Z-12Z	WSW-WNW	5-6	S-SE	2.0-3.0	10	7	ISOLATED SHWRS/SQUALLS	SSW @ 0.24
			MIXED NW					Air Temp 311/
	W\$W-WNW	5-6	WNW-NNW	2.5-3.5	10	7	SCATTERED SHWRS/SQUALLS / Light long	NW @ 0.3kl Air Temp 281/
19/12Z-00Z								
omments: *Win	d/Seas HIGHI							
omments: *Win ynopplis: Good day i, spand in size while m TORM then weakens rough the 18th. nother STORM devel hile tracking ENEwar toure Reason: Route onth Pacific.	A STORM develop noving NEward to re swhile moving NN lops near 41.5N/1 rd to approximately receps vessel nort	to near 44N/163W by near 48N/159W by Eward to southwe 74E at 20/06Z and y 43.5N/174W thro h of active gale/sb	at 16/06Z and wil 17/06Z. This it of Kodiak Islanc intensifies rapidly ugh 21/12Z. irm pattern in the	1 1308 1408 1009	5 (m) 4 8			Ref: 0000
	d/Seas HIGHI A STORM develop oning NEVward to while moving NN lops near 41.5N/1 rd to approximately a keeps vessel nort ical Concerns: M	os near 44N/163W near 48N/159W by Eward to southwe r4E at 20/06Z and y 43.5N/174W thro h of active gale/sb onitoring heavy SE	at 16/062 and will 17/062. This st of Kodiak Island intensifies rapidly ugh 21/122. Imp pattern in the S-SW winds on	1 1308 1408 1009				Ref: 0000
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enterents: *Win unseeds: Good day, pand is due when more couple of the second result of the second result of the second result Research and the second result Research and the second result Research and the second result result of the second result result of the second result result of the second result result of the second result of the second	d/Seas HIGHI A STORM develop on the second second second second suble moving NN with second second second logs near 41.5W1 icas Concerns; Mc Bh and heavy swell bh and heavy swell	ss mear 444/163W mear 484/1569/ b Evando to southere Weard to southere Affect a 2006/22 and refloring heavy SE is on the 15th third bis on the 15th third DI Total 55	at 16/062 and wit 17/062 This in of Rodak Islance Intensides rapidly ugh 21/122 mm pattern in the S-SW winds on ugh the 18/h.	a var var a var var a var var a var var a var var var a var var var var var var var var var va				Ref. COOD
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Detailed route/weather advisory

High-resolution tropical analysis on Dolphin



**Dolphin website and Dolphin Voyage Planner (DVP) are included** with the service, allowing access to a wide variety of forecast tools and WRI's Voyage Planner. On DVP route planning can be accomplished for any transit using WRI's high resolution data, keeping your vessel on optimum route.



High-resolution ocean current analysis

**Tsunami warning and Earthquake** statements are immediately relayed to your operations and staff so that proper action can be taken. SMS text alerts can be provided to appropriate management for tsunami warnings by request.



Contact WRI today to discuss the services that we can provide for safe/efficient operations for your tug or small craft!