



Forecast for S/Y Mahina Tiare III

Prepared on Jul 10 16:21z
 By JD

Voyage Summary		Dist (nm)		Conditions Above Constraints			Avg Ocean Current	Fuel Total	Tropical Impact and/or
Departure / Destination		ETD / ETA	Trip (hrs)	Peak	% of Trip	Weather Impacts	Impact	(gals/ltrs)	Advisory within 60nm
KA OLINA HI	11/02z	2266	Wind(kts)	24	0%	Favorable	-0.06 knots	N/A	Small Craft
RANGIROA	24/13z	323	Seas (ft)	10	7%	UnFavorable	UnFavorable		
RANGIROA	Please		Wind(kts)					N/A	None
PAPEETE	Provide		Seas (ft)						

Detailed information regarding your forecast and recommendations is further down on the following pages.

Synopsis: Good morning.

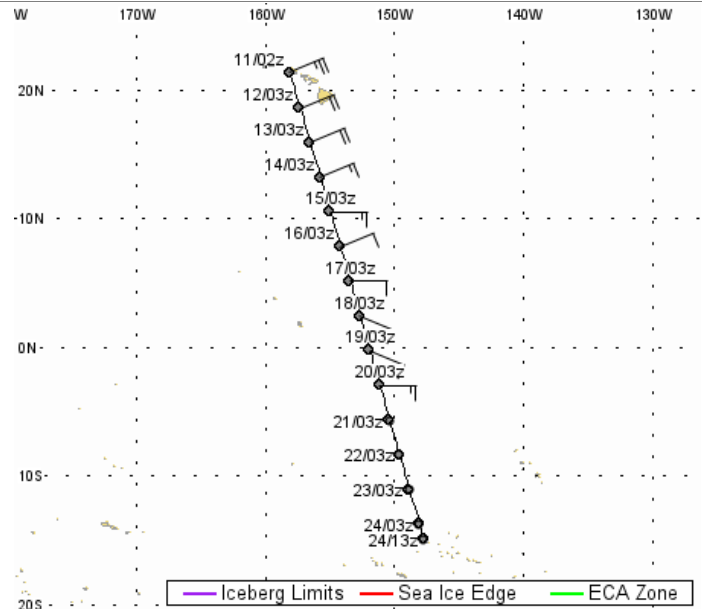
A ridge of **HIGH PRESSURE** is now found from Hawaii NE'ward to 35N/155W and will become oriented from 15N/150W N'ward to 45N on the 12th. The ridge then shifts back W'ward, and will extend from 19N/170W Ne'ward to 40N/160W through the 14th. Finally, the ridge will extend from Hawaii NW'ward to 40N/180 on the 17th.

To the south, the Intertropical Convergence Zone (ITCZ) is found from 05N N'ward to 10N and from 175W E'ward to 135W. This will drift N'ward, and will extend from 05N N'ward to 11N and from 170W E'ward to 140W on the 13th. The zone then generally remains in place but broadens out through the 17th. The trough will be the focus for showers/squalls, but no **TROPICAL** development is expected within the trough at this time.

Conclusions: We recommend a shortest direct, rhumbline route to Rangiroa. Here are our thoughts on this route:

1. The route minimizes distance as much as possible.
2. The route aims to keep you in mostly beam reaching winds for as long as possible to near 07N. There will be plenty of wind to work with to about 10N, though there will be a brief period of some lighter breezes tonight while in the lee of the Big Island.
3. You will approach the ITCZ near 10-11N later on the 14th, and move through the zone to just north of the Equator. There will be periods of showers/squalls during this time, with locally gusty winds, and are unavoidable.
4. In the long range, from near 03N S'ward to just south of the Equator, winds are likely to be more of a close reach/close hauled. We looked at routing you east or west of a direct route to try to keep these more on the beam, but that would result in those conditions sooner along the route, but they are still relatively favorable for sailing. From 08N-02N winds will be lighter, but still should be sufficient for sailing.
5. Expect mostly moderate swells for the first few days of the transit, but there will be 7-10ft swells from 18N-15N due to the enhanced trade winds.
6. For currents, you will be in the North Equatorial current from 14N-09N, which is flowing east to west near 1-1.5kts. From 08N to 04N, you will be in the west to east flowing Equatorial Countercurrent, at 1-1.5kts. From 03-30N to 00-45N, you will be in the east to west flowing South Equatorial Current near 1.5kts.

Please keep us advised on your intentions, thank you



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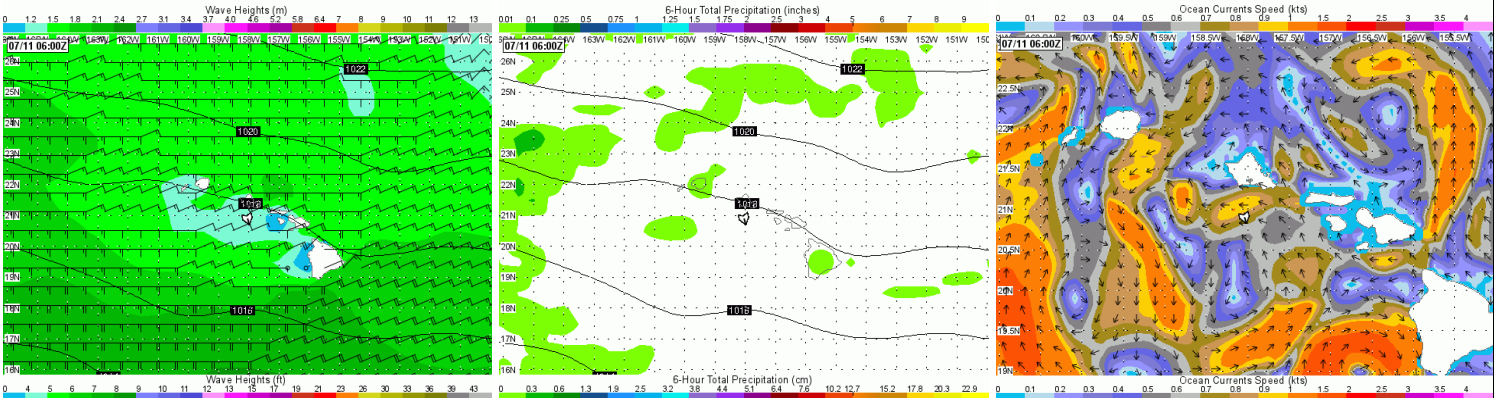
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KA OLINA HI TO RANGIROA FORECAST: (DEPARTURE - 07/11 02z)

SunRise: 05:57 SunSet: 19:18 (ST)

Route Recommendation: Departing today to Rangiroa is valid. Recommend shortest direct routing to Rangiroa.

Forecast Period (LT=Local Time, Z=GMT)	Wind Dir	Wind Spd (Knots)	Swell Dir	Seas Hght Swell Hght	(Feet)	Per(sec) Viz (nm)	Sky Conditions / Advisory	Temp F / C	Currents Dir From/Knots
DEPART 11/02Z / 10/17LT TO 21-14N/158-08W	E-ENE	15-20 GUSTS 23	SSE-ESE	2-4 3-5		6 10	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	79° / 26°	WSW @ 0.1
TO 20-54N/158-02W (11/03z 10/18LT)	E-ENE	16-21 GUSTS 23	ESE-ENE	2-4 4-6		6 10	MOSTLY CLOUDY	79° / 26°	E @ 0.9
TO 20-34N/157-56W (11/06z 10/21LT)	E-ENE	16-21 GUSTS 23	ESE-ENE	2-4 5-7		6 10	MOSTLY CLOUDY	78° / 26°	E @ 0.9 Small Craft ADVISORY
TO 20-13N/157-50W (11/09z 11/00LT)	E-ENE	15-20	ESE-ENE	2-4 5-7		6 10	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	78° / 26°	SE @ 0.5 Small Craft ADVISORY
TO 19-53N/157-44W (11/12z 11/03LT)	E-ENE	15-20	ESE-ENE	2-4 5-7		6 11	PARTLY CLOUDY ISOLATED SHWRS	77° / 25°	SSE @ 0.4
TO 19-33N/157-38W (11/15z 11/06LT)	E-ENE	16-21 GUSTS 23	NE-E	2-4 6-8		6 10	PARTLY CLOUDY BCM CLOUDY ISOLATED SHWRS/SQUALLS	77° / 25°	SSE @ 0.8
TO 19-13N/157-32W (11/18z 11/09LT)	E-ENE	19-13	NE-E	1-3 6-8		6 10	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	77° / 25°	SSW @ 1
TO 18-53N/157-26W (11/21z 11/12LT)	E-SE VARY NE	08-13	ENE-ESE	2/LESS 5-7		7 10	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	78° / 26°	SSW @ 0.2
TO 18-32N/157-20W (12/00z 11/15LT)	E-ENE	10-15 GUSTS 17	ENE-ESE	2-3 5-7		7 10	CLEAR BCM MOSTLY CLOUDY	79° / 26°	SSW @ 0.2
TO 18-12N/157-14W (12/03z 11/18LT)	E-ENE	15-20	ENE-ESE	2-4 6-8		8 11	MOSTLY CLOUDY BCM CLEAR	79° / 26°	SE @ 0.8
TO 17-52N/157-08W (12/06z 11/21LT)	E-ENE	15-20 GUSTS 23	ENE-ESE	2-4 7-9		8 11	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	78° / 26°	SE @ 0.5
TO 17-32N/157-02W (12/09z 12/00LT)	E-ENE	15-20 GUSTS 23	ENE-ESE	2-4 8-10		8 11	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	78° / 26°	SSE @ 0.3
TO 17-12N/156-56W (12/12z 12/03LT)	E-ENE	15-20 GUSTS 23	NE-E	2-4 8-10		8 10	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	77° / 25°	S @ 0.3
TO 16-51N/156-50W (12/15z 12/06LT)	ENE-NE	16-21 GUSTS 23	NE-E	2-4 7-9		8 10	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	77° / 25°	SE @ 0.5

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TO 16-11N/156-38W (12/18z 12/09LT)	ENE-NE	17-22 GUSTS 24	NE-E	3-4 7-9	8 10	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	78° / 26°	SE @ 0.5
TO 15-31N/156-26W (13/00z 12/15LT)	ENE-NE	17-22 GUSTS 24	NE-E	3-4 7-9	8 11	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	78° / 26°	E @ 0.7
TO 14-50N/156-14W (13/06z 12/21LT)	ENE-NE	15-20 GUSTS 22	NE-E	2-4 6-8	8 11	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	78° / 26°	E @ 0.7
TO 14-10N/156-02W (13/12z 13/03LT)	ENE-NE	15-20	NE-E	2-4 6-8	8 11	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	78° / 26°	ENE @ 0.6
TO 13-29N/155-51W (13/18z 13/09LT)	ENE-NE	14-19	NE-E	2-3 6-8	8 11	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	80° / 27°	E @ 0.2
TO 12-49N/155-39W (14/00z 13/15LT)	ENE-NE	15-20	NE-E	2-4 6-8	8 11	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	81° / 27°	E @ 0.7
TO 12-09N/155-27W (14/06z 13/21LT)	ENE-NE	15-20	NE-E	2-4 5-7	7 11	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	81° / 27°	E @ 0.6
TO 11-28N/155-16W (14/12z 14/03LT)	ENE-NE	15-20 GUSTS 22	NE-E	2-4 5-7	7 10	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	81° / 27°	ESE @ 0.5
TO 10-48N/155-04W (14/18z 14/09LT)	E-ENE	15-20	NE-E	2-4 5-7	7 8	MOSTLY CLOUDY SCATTERED SHWRS/SQUALLS	82° / 28°	E @ 0.7
TO 10-07N/154-52W (15/00z 14/15LT)	E-ENE	13-18	NE-E	2-3 5-7	7 8	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	82° / 28°	E @ 0.7
TO 9-27N/154-41W (15/06z 14/21LT)	E-ENE	12-17	NE-E	2-3 5-7	8 8	MOSTLY CLOUDY WIDESPREAD SHWRS/SQUALLS	81° / 27°	E @ 0.8
TO 8-47N/154-29W (15/12z 15/03LT)	E-ENE	09-14	ENE-ESE	2/LESS 5-7	8 8	MOSTLY CLOUDY SCATTERED SHWRS/SQUALLS	81° / 27°	ESE @ 0.7
TO 8-06N/154-18W (15/18z 15/09LT)	E-ENE	08-13	ENE-ESE	2/LESS 5-7	8 8	MOSTLY CLOUDY WIDESPREAD SHWRS/SQUALLS	82° / 28°	SSE @ 0.4
TO 7-26N/154-06W (16/00z 15/15LT)	E-ENE	08-13	E-NE MIXED SE	2/LESS 5-7	8 10	MOSTLY CLOUDY ISOLATED SHWRS/SQUALLS	83° / 28°	SW @ 1.1
TO 6-45N/153-55W (16/06z 15/21LT)	E-ENE	07-12	E-NE MIXED SE	2/LESS 5-7	8 9	PARTLY CLOUDY WIDESPREAD SHWRS/SQUALLS	82° / 28°	SW @ 0.9
TO 6-05N/153-43W (16/12z 16/03LT)	E-ENE	08-13	NE-E MIXED SE	2/LESS 5-7	8 9	PARTLY CLOUDY WIDESPREAD SHWRS/SQUALLS	82° / 28°	SW @ 0.7
TO 5-25N/153-32W (16/18z 16/09LT)	E-ENE	08-13	NE-E MIXED SE	2/LESS 5-7	9 10	PARTLY CLOUDY	83° / 28°	WSW @ 1.3
TO 4-44N/153-20W (17/00z 16/15LT)	E-ENE	08-13	NE-E MIXED SW	2/LESS 5-7	9 10	PARTLY CLOUDY ISOLATED SHWRS/SQUALLS	83° / 28°	WSW @ 0.7
TO 4-04N/153-09W (17/06z 16/21LT)	E-ENE	09-14	NE-E MIXED SW	2/LESS 5-7	17 10	MOSTLY CLOUDY SCATTERED SHWRS/SQUALLS	82° / 28°	S @ 0.5
TO 3-23N/152-57W (17/12z 17/03LT)	E-ENE	09-14	S-SW MIXED NE	2/LESS 5-8	16 8	MOSTLY CLOUDY SCATTERED SHWRS/SQUALLS	82° / 28°	ESE @ 1.1
TO 2-43N/152-46W (17/18z 17/09LT)	E-ESE	10-15	S-SW MIXED NE	1-3 6-8	10 8	MOSTLY CLOUDY WIDESPREAD SHWRS/SQUALLS	83° / 28°	E @ 1.2
TO 2-23N/152-40W (18/00z 17/15LT)	E-ESE	11-16	E-SE	1-3 6-8	10 8	CLOUDY WIDESPREAD SHWRS/SQUALLS	82° / 28°	E @ 1.5

Comments: *Wind/Seas HIGHER in SQUALLS

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