Route - SGH - LGB VIA TSUGARO 539N

Information

Description	Shanghai to Long Beach
Departure port	Yangshan Shanghai Sheng dong Terminal (CNSGHY1), Zone Time: 08:00
Arrival port	Long Beach Total Terminals International (USLGBTT), Zone Time:
Port memo	USA - Long Beach - # Terminal T, Berth 134-140 (Total Termin
Buffer speed	22,00
Preferred	V

Reminders

DEPARTURE
Call Yangshan VTS Ch 13 whn passing buoy Y5
Beware of intersecting traffic while departing Yangshan VTS
ARRIVAL
Contact PLEAD CONTROL on 5081.5 khz / 3238.5 khz / or VHF Ch16/11 or at (805)989-8841
before entering fire practicing area (marked on the charts)
Call San Pedro when 25 nm off Pt. Fermin on VHF Ch 14/16
Call Long Beach Pilots 2 hours before arrival VHF Ch 74/16
Call Long Beach VTS on VHF Ch 16/74

Charts & lights

Charts used	1144-1124-1199-3480-127-3237-2247-2293-jp10-1800-1803-996-4509-4510-4511-4522-4805-4806-4801-2530-899-1063-1082-1081
Overview charts	4509-4510-4522
Book & tables	BPG, NP 100, 136
Various	Guidelines for Navigators (GSM5 Id 7698). Environmental Aspects & Operational safety taken into consideration while preparing this plan. Caution: The UKC calculations in this plan are based on charted datums, which are based on L.A.T. Actual U.K.C: will vary depending on the tide at any given time. All charts which are not referred to the WGS-84 datum should be listed below. GPS receivers are normally set to WGS-84 and it is recommended that the GPS receivers are maintained referenced to that datum. When using the charts in the list below, the charted information on latitude and longitude shift values should be applied to GPS positions before they are charted.
Non WGS84 charts:	3237 - 996

Publications

Sailing directions (pilots) to be used on passage:	NP 30-32-42A-62-8
Pilot charts to be used on passage:	North Pacific Ocean
List of radio signals for voyage:	281(2),

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	ADP 282,
	283(2), 285,
	ADP: Admiralty Digital Radio Signals Vol 6
List of lights for voyage:	ADP : Admiralty Digital List of Lights
Guide to port entry:	Safe Port memo from EcoVoyage: ASD
GPS/ECDIS/Radar map	VMS Route: SGH-LGB S 5105.VP Navlines: FAREAST.FOL, N_PAC.FOL
Publications corrected to NTM week no.:	11/2015
Tide tables / program:	Admiralty Digital Totaltide
Various	Guidelines for Navigators (GSMS id 7698). Environmental Aspects & Operational safety taken into consideration while preparing this plan.

Caution: The UKC calculations in this plan are based on charted datums, which are based on L.A.T.

Actual U.K.C: will vary depending on the tide at any given time.

Date:	Approved by Navigation Officer:	Captain:

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CNSGHY1-OUT

Yangshan Shanghai Sheng dong Terminal out

WP Numbers		Waypoint Position		RL		Turnrate	Distance		Speed			Passage plan					
Seq #	User #	Latitude	Longitude	GC	Course	x Speed	To Waypoint	Remaining	Max	Min	Weypoint Details	Min. plot	Plot method	Max. X track	Min. depth	Squat	UKC
	1	30°37,95 N	122°02,81 E	RL	150°5	0,0 * speed	0,9 nm	5776,8 nm	12,00 knots	5,00 knots	SGH Berth	10 min	Sat / Terr	0,10 nm	15 m	1,94 m	2,5 m
1	2	30°37,20 N	122°03,30 E	RL	124°7	1,0 * speed	1,9 nm	5775,9 nm	12,00 knots	5,00 knots	Off berth	10 min	Sat / Terr	0,15 nm	21 m	1,94 m	4,5 m
2	3	30°36,09 N	122°05,15 E	RL	116°8	0,2 * speed	5,3 nm	5774,0 nm	12,00 knots	5,00 knots	-terminal	10 min	Sat / Terr	0,15 nm	17 m	1,94 m	5,5 m
3	4	30°33,70 N	122°10,60 E	RL	99°4	0,7 * speed	5,2 nm	5768,7 nm	12,00 knots	5,00 knots	-main channel	10 min	Sat / Terr	0,15 nm	15 m	1,94 m	8,5 m
4	5	30°32,85 N	122°16,50 E	RL					12,00 knots	5,00 knots	-SGH Pilot	10 min	Sat / Terr	0,15 nm	22 m	1,94 m	15,5 m

Berth to Pilot distance: 13,2 nm

Have in mind, that positions of buoys might differ between the chart and the actual positions.
Buoys may also be extinguised or missing, ask the pilot if there is any conditions we should know about.
Do not rely on one position reference only, especially not on buoys.

CNSGHY1-USLGBTT

Yangshan Shanghai Sheng dong Terminal to Long Beach Total Terminals International

WP Numbers		Waypoint Position		RL		Turnrate	Distance		Speed			Passage plan					
Seq #	User #	Latitude	Longitude	GC	Course	x Speed	To Waypoint	Remaining	Max	Min	Waypoint Details	Min. plot	Plot method	Max. X track	Min. depth	Squat	UKC
4	5	30°32,85 N	122°16,58 E	RL	99°8	0,4 * speed	7,9 nm	5763,5 nm	12,80 knots	5,00 knots	-SGH Pilot	18 min	Sat / Terr	8,15 nm	22 m	1,94 m	15,5 m
5	6	30°31,50 N	122°25,50 E	RL	83°3	8,7 * speed	30,8 nm	5755,6 nm	12,00 knots	5,00 knots	Buoy YO	38 min	Sat / Terr	0,20 nm	25 m	2,70 m	9,5 m
6	7	30°35,00 N	123°08,00 E	RL	58°4	8,5 * speed	180,9 nm	5725,7 nm	23,08 knots	5,00 knots		30 min	Sat / Terr	8,20 nm	50 m	2,70 m	17,5 m
7	8	32°10,00 N	126°00,00 E	RL	45°5	0,5 * speed	222,5 nm	5544,7 nm	23,00 knots	5,00 knots	off rock	30 min	Sat / Terr	8,20 nm	50 m	2,70 m	17,5 m
8	9	34°46,00 N	129°18,00 E	RL	53°8	0,5 * speed	421,6 nm	5322,3 nm	23,00 knots	5,00 knots	Korea st	60 min	Sat / Terr	1,00 nm	39 m	3,27 m	16,5 m
9	18	39°00,00 N	136°18,00 E	RL	53°4	8,5 ° speed	266,6 nm	4900,6 nm	23,00 knots	5,00 knots	Yamato seamoum	60 min	Sat / Terr	1,00 nm	39 m	3,27 m	16,5 m
10	11	41°39,80 N	140°50,00 E	RL	90°0	8,5 ° speed	142,4 nm	4634,0 nm	23,00 knots	5,00 knots	Benten Shima	30 min	Sat / Terr	1,00 nm	30 m	3,27 m	12,5 m
11	12	41°39,00 N	144°00,00 E	GC	62°5	8,5 * speed	4109,0 nm	4491,6 nm	23,08 knots	5,00 knots	+ GC	60 min	Sat / Terr	1,00 nm	200 m	3,27 m	188,5 m
12	13	34°24,58 N	125°30,00 W	RL	90°8	0,5 ° speed	9,9 nm	382,5 nm	23,00 knots	5,00 knots	-GC	128 min	Sat / Terr	2,00 nm	200 m	3,27 m	188,5 m
13	14	34°24,50 N	125°18,08 W	RL	90°8	0,5 * speed	220,1 nm	372,6 nm	23,80 knots	5,00 knots	DO Changeover	120 min	Sat / Terr	2,00 nm	200 m	3,27 m	188,5 m
14	15	34°24,20 N	120°52,00 W	RL	105°2	8,5 * speed	82,3 nm	152,5 nm	23,00 knots	5,00 knots	TSS	60 min	Sat / Terr	0,58 nm	208 m	3,27 m	160,5 m
15	16	34°82,50 N	119°16,30 W	RL	119°8	8,5 * speed	32,9 nm	78,2 nm	23,08 knots	5,00 knots	Ancapa Isl	30 min	Sat / Terr	0,50 nm	89 m	3,27 m	77,5 m
16	17	33°46,18 N	118°42,00 W	RL	119°8	0,5 * speed	20,9 nm	37,3 nm	12,00 knots	5,00 knots	12Knot Zone	38 min	Sat / Terr	8,50 nm	30 m	3,27 m	12 m
17	18	33°35,70 N	118°20,38 W	RL	90°8	0,8 * speed	3,6 nm	16,5 nm	12,80 knots	5,00 knots	san Ped Ch	15 min	Sat / Terr	8,20 nm	28 m	1,94 m	16,5 m
18	19	33°35,70 N	118°16,08 W	RL	46°0	8,0 * speed	6,2 nm	12,9 nm	18,00 knots	5,00 knots	fec Area	18 min	Sat / Terr	0,18 nm	24 m	1,94 m	12,5 m
19	20	33°40,80 N	118°18,66 W	RL	354°5	8,5 * speed	1,4 nm	6,7 nm	10,08 knots	5,00 knots		18 min	Sat / Terr	0,10 nm	21 m	1,94 m	12,5 m
20	21	33°41,40 N	118°10,82 W	RL					8,00 knots	5,00 knots	+ Pilot	18 min	Sat / Terr	8,10 nm	21 m	1,94 m	12,5 m

Pilot to pilot distance: 5758,3 nm

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USLGBTT-IN **Long Beach Total Terminals International in**

WP Numbers		Waypoint Position		RL		Turnrate	Distance		Speed			Passage plan					
Seq #	User #	Latitude	Longitude	GC	Course	x Speed	To Waypoint	Remaining	Max	Min	Waypoint Details	Min. plot	Plot method	Max. X track	Min. depth	Squat	UKC
20	21	33°41,40 N	118°10,82 W	RL	354°9	0,5 * speed	2,0 nm	5,3 nm	8,00 knots	5,00 knots	+ Pilot	10 min	Sat / Terr	0,10 nm	21 m	1,94 m	12,5 m
21	22	33°43,40 N	118°11,03 W	RL	303°4	0,3 * speed	0,9 nm	3,3 nm	8,00 knots	5,00 knots		10 min	Sat / Terr	0,10 nm	24 m	1,94 m	12,5 m
22	23	33°43,88 N	118°11,90 W	RL	306°5	0,3 * speed	0,7 nm	2,4 nm	8,00 knots	5,00 knots		10 min	Sat / Terr	0,10 nm	24 m	1,94 m	12,5 m
23	24	33°44,27 N	118°12,53 W	RL	319°0	0,0 * speed	0,7 nm	1,8 nm	5,00 knots	5,00 knots		10 min	Sat / Terr	0,10 nm	24 m	1,94 m	12,5 m
24	25	33°44,80 N	118°13,08 W	RL	291°0	0,5 * speed	1,1 nm	1,1 nm	5,00 knots	5,00 knots		10 min	Sat / Terr	0,10 nm	17 m	1,94 m	3,5 m
25	26	33°45,18 N	118°14,26 W	RL		N/A				0,00 knots	Berth		Sat / Terr	0,00 nm	16 m	0,00 m	3 m

Pilot to Berth distance: 5,3 nm

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Speed and Distances

Distances		Speed	Time (Pilot - Pilot)
Berth to pilot:	13,24 nm	22 knots	292,5 hours
Pilot to pilot:	5756,25 nm	20 knots	321,8 hours
Pilot to berth:	5,28 nm	18 knots	357,6 hours
Total distance:	5776,78 nm	15 knots	429,1 hours

Draughts on passage

	Forward	Aft	Airdraft	SW density
Departure Port	12,5 m	12,5 m	55,5 m	1,018 g/cm^3
Max. on passage	13,5 m	11,5 m	54 m	1,025 g/cm^3
Arrival Port	12,5 m	12,5 m	55,5 m	1,023 g/cm^3

Squats (see also poster on bridge)

Speed	Open waters	Confined waters
20 knots	2,7 m	5,4 m
17 knots	1,95 m	3,9 m
13 knots	1,14 m	2,28 m
11 knots	0,82 m	1,63 m

Under Keel Clearance

	Required UKC	Min. expected UKC
Open waters	See GSMS procedure 1371	9,5

Confined waters	0.9 m or allow for 3 deg. list, whichever is greater.	4,5
Alongside	30 cm or allow for 1 deg. list, whichever is greater.	3,5

Safety messages

EGC (SAT C) and NAVTEX messages to be received during entire voyage	
NAVAREA region(s)	**NAVTEX stations**
POR: XI-XII-(XIII)	L-G-P-I-Q

Weather information

NAVAREA regions	NAVTEX stations	Weather information
POR: XI-XII-(XIII)	L-G-P-I-Q	SPOS, DMI routeing, Radio facsimile, EGC, Navtex

Status of navigational instruments / other equipment

Operational condition: All ok

List of failures: -

Master's Orders for this passage

Standing orders & Daily orders

At departure the Bridge Team will consist of:

☐ OOW ☐ Master ☐ Chief Officer ☐ First Officer ☐ Second Officer ☐ Third Officer ☐ Pilot ☐ Helmsman ☐ Lookout 1 ☐ Lookout 2

At arrival the Bridge Team will consist of:

☐ OOW ☐ Master ☐ Chief Officer ☐ First Officer ☐ Second Officer ☐ Third Officer ☐ Pilot ☐ Helmsman ☐ Lookout 1 ☐ Lookout 2

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