

# USING THE LOG BOOK

---

Specially devised for the modern yachtsman, this log book enables you to keep clear and accurate records of essential information together with descriptive narratives of all your cruises. Each page represents a single day, and the complete log is intended to cover one full season's sailing, so that you can build up a library of annual cruising mementoes over the years.

The layout of the log pages makes it easy to maintain a traditional (and essential) dead reckoning plot alongside a proper record of electronic fixes and waypoint navigation details. At the bottom of the page there is a section

for reckoning daily and seasonal distance run and engine hours, together with space for a narrative description of the day's events.

The log book also contains a list of suggested abbreviations, the Beaufort Wind Scale, a compass deviation card, a waypoint list, a list of equipment serial numbers, a list of expiry dates, an engine maintenance log, a radio log and a season summary section. It should be apparent how these pages are kept, but shaded specimen entries are provided at the bottom of some of the tables. There is also a visitors' book and crew list enabling you to keep track of all the people you meet while cruising.

## KEEPING THE LOG

---

The daily pages of the log are designed to record all the information needed by both skipper and navigator, while being both simple and foolproof to fill in. The layout allows you to choose between a 'fixed-time' and 'flexi-time' system of entering information; both methods are equally valid, but one will be more suitable for your type of sailing.

Samples of the two entry techniques are shown in the specimen pages overleaf. In the 'fixed-time' system each page presents a complete day with fixed hourly entry lines running from midnight the previous day (brought forward) to midnight on the present day. In the 'flexi-time' system the times are inserted as required, generally on obtaining a goodfix or passing a charted object or waypoint.

If possible, each page should still represent one day, for reasons of simplicity and ease of reference. Otherwise the layout is identical for both systems.

No space is provided for either weather forecasts or tidal information. To be of any seamanlike use, weather forecasts should be recorded in full on pads of Metmaps so that you can make a thorough study of developing patterns over a period of days. Tidal information is contained in nautical almanacs and tide tables, and should be extracted and noted in the navigator's notebook when required. The log book is for recording events and measurements, not for working out navigation calculations, which belong properly in the navigator's notebook.

# FIXED-TIME SPECIMEN

Full page for each day <sup>5</sup>

Simplifies and clarifies records

## Courses and bearings <sup>1</sup>

Note in most commonly used notation: ie  
Courses in °C [Compass]  
Bearings in °M [Magnetic]  
(See remarks 2210, 2330 and all course alterations)

## Time zone <sup>2</sup>

Insert: BST, GMT etc

## Estimated course and distance run <sup>3</sup>

Note variations of estimated course and distance run from ordered course and log reading due to prevailing conditions. Note also variations in leeway according to point of sailing and sea conditions

## Narrative <sup>4</sup>

Plenty of scope for a full record of your cruises. Put general information here and keep Remarks column for navigation information.

5  
▽

DateFRIDAY 19th JUNE 2009FromDenhaven

1>

2>

3>

Time	Course Ordered	Log Reading	Estimated			Wind	Sea	Weather	Visibility	Baro	Position	Source of fix	Next wp
	(°C)		Course Steered	Dist Run	Leeway								
0001													
0100													
0200													
0300													
0400													
0500													
0600													
0700	±	—	—	—	—	NW3	calm	0/8	Gr	15	Denhaven Hr	vis	—
0800	var	—	var	—	—	—	—	—	—	—	— entrance	vis	1
0900	250	2.7	250	2.7	3°	—	slight	—	—	15 1/2	Griddle Pier	vis	4
1000	—	6.5	—	3.8	—	NW4	mod	—	—	—	54° 11.2'N: 01° 13.4'E	RN	—
1100	—	10.4	—	4.3	4°	—	—	—	—	—	54° 10.1'N: 01° 10.5'E	—	—
1200	185	15.8	190	4.7	NIL	—	—	—	—	16	54° 06.2'N: 01° 09.4'E	—	29
1300	—	20.6	—	4.7	—	—	—	—	—	—	54° 01.1'N: 01° 08.7'E	—	—
1400	—	25.6	—	4.9	—	—	—	3/8H	—	—	53° 55.0'N: 01° 07.3'E	—	—
1500	—	29.7	185	4.1	5°	WS	—	—	—	17	53° 52.2'N: 01° 05.2'E	—	—
1600	160	34.7	165	4.8	NIL	—	—	—	—	—	53° 47.2'N: 01° 09.3'E	—	41
1700	—	40.9	163	6.5	—	—	m/r	—	—	—	53° 44.5'N: 01° 11.2'E	—	—
1800	—	47.1	160	6.3	—	W4	—	2/8H	—	—	53° 40.4'N: 01° 13.3'E	—	—
1900	—	54.0	—	7.1	—	—	—	—	—	—	53° 38.2'N: 01° 14.9'E	—	—
2000	—	60.5	165	6.9	—	WS	—	—	—	—	53° 35.0'N: 01° 16.3'E	—	—
2100	—	67.0	—	6.9	—	—	mod	—	—	17 1/2	53° 32.3'N: 01° 19.1'E	—	—
2200	—	74.1	162	7.2	—	—	—	—	—	—	53° 31.2'N: 01° 19.5'E	—	—
2300	—	81.2	165	7.3	—	W4.5	—	—	—	—	53° 30.0'N: 01° 21.2'E	—	—
2359	—	87.8	163	7.0	—	—	—	—	—	—	53° 28.1'N: 01° 24.0'E	—	—

4▷

Narrative

Delightful start to our first long cruise to France. Peter was a little seasick at first but all three have steered and enjoyed it. Plenty of yachts crossing this morning but have seen none since the English coast dipped over the horizon. Sailing too fast to catch mackerel so settled for tuna salad lunch! PARVENU will meet us at L'Aberpêche - she has a beat along the coast from

## Advantages of FIXED-TIME system

1. It encourages regular, routine entries
2. Hourly readings on the hour greatly simplify DR calculations and plotting
3. Regular hourly readings enable developing weather patterns to be easily assessed

Crew list

6

On previous page or in narrative if very early start

6  
▽

To	L'Aberpêche	At	—
Remarks		Refuel	Engine hours
<u>Summer Holiday Cruise</u>			
Skipper	John Wilson		
Make	Rosalie Wilson		
Crew	Drew Kennerley and Julie Wilson		
07.40 start engine			
07.50 slip under power. Co + sp to clear HR - WPI Dep fix			
08.05 WPI a/c 240. Set full main + gen. Sp 2 kts. Let log & stop engine			
08.30 Bench BN at 1'. L1.2. 0855 Griddle Pier to 1/2. L2.8 a/c 250			
0915 wind inc. furl gen			
0925 TS now fair			
1115 WPI a/c 185. L12.0. unfurl gen			
1230 fix NN			
1430 wind b. WS. Roll gen. 2 rolls mn			
15.20 WPI 29 a/c 160 L31.8			
15.30 Hurd Lt V 1' 15.50 Spoke 'PARVENU' by VHF. She is bound also			
[ to L'Aberpêche with ETA 0900 tomorrow			
18.05 50m contour L 47.4			
19.30 entered shipping lanes			
2025 50m contour L 63.8			
2150 cleared shipping lanes			
2210 1st concourse DIP 175 D21.9			
2245 Full mn + Gen			
2330 Raise L'Aberpêche Lt 165 D20.2			

Tantoir. forecast gives High setting over channel, so let's hope for a good first week! Our weather records look good. No problems with boat, and she is sailing well. Spot-on landfall !!

Departure fix

7

Set log to zero when clear of harbour

Landmarks etc

8

Note on passing with time and log reading

Sail changes

9

Record details with time

Course alterations

10

Note with time and log reading

Too much information

11

Enter at end of next line with bracket

Depth contours etc

12

Record anything that might help the navigator, with time and log reading

Distance run today	87.8 nm
Engine hours today	0.5
Engine hours this season	68.9
Distance run this season	972.7 nm
Engine hours Total	142.4

Applications of FIXED-TIME system

This system is well suited to sailing vessels on passage, which need regular, accurate records for Dead Reckoning and weather forecasting. The hourly routine of filling in the log helps to keep watch keepers alert.

# FLEXI-TIME SPECIMEN

## Record intervals

Insert record every hour  
or so

## Position

Record positions as lat/  
long or Range & Bearing  
from known point.  
Bearing is from point  
towards your position.  
Range is in nautical  
miles. Record all bearings  
in °M (see Fixed-Time  
Specimen)

## Repeated entries

Blank spaces are less  
cluttered than " (ditto)  
marks but may mean  
entry has been forgotten!  
(See Fixed-Time  
Specimen)

## Unsettled weather

Record details when in  
harbour in order to assess  
trends

## Narrative

Little needed for a simple  
delivery trip

Date **FRIDAY 12 JUNE 2009** From **Denhaven**

Time	Course Ordered	Log Reading	Estimated Course Steered	Dist Run	Leeway	Wind	Sea	Weather	Visibility	Baro	Position	Source of fix	Next wp
BST	°C												
0740	⚓	—	—	—	—	NW3	Calm	0/8	G	15	Denhaven Hr	Vis	1
0805	var	0	var	0	—						WP1	RN	4
0830	240	1.2	240	1.2	nil					15½	BENAH Bn 41°1'	Vis	
0855		2.5					slight				½' → Griddle Pier	Vis	
1000	250	6.5	250			NW4	mod				54°11.3N:01°13.7E	RN	
1115		12.0								15	WP4	RN	7
1230	185	19.1	185							14	190' Cresswell Bn 3'	RR	
1400		25.6						1/8H		13	55°55.1N:01°07.4E	RN	
1510		30.2				WS				11	WP7	RN	8
1630	230	35.1	230			S 5/6	M/R 5/8M	M		09	55°50.0N:01°02.6E	RN	
1740		39.4				S 6/7	mod 1/2 L			04	WP8	RN	9
1910	180	47.6	180				slight 3/4 L			99	Bell Pt DIP 210	CB	
2010		52.2				SW 7/8	—			95	WP9	Vis	10
2030	⚓	54.3								93	Oxley Marina	Vis	—
2330						SW8	—			81			

## Narrative

5▷ No Problems  
Will try to get round to Pintle Creek by Sunday

## Advantages of FLEXI-TIME System

1. More than one row can be used per entry, allowing more space for Remarks when busy
2. Entries may be made for the time of passing waypoints, charted features etc.

## Reason for trip 6

Delivery trip, weekend  
cruise, summer cruise etc.

## Change of intended destination 7

Use 'but' if final destination changes  
Use 'and' if it is intended

6 ▽	7 ▽	
To Pintle Creek	At Oxley Marina	
But		
Remarks	Refuel 39 gals	Engine hours 118.9
Delivery to Pintle Creek (under power)		
Skipper John Wilson		
Mate Drew Kennerley		
start engine. slip to B sp to clear HR		
a/c 240. Set log 0. Set 1500 rpm Sp 5 skts		
a/c 250		
a/c 285		
Fix NN		
a/c 230		
weather + barometer indicate depression - not forecast. Suspect secondary, and severe gales tonight. Will divert to Oxley Marina from WP8		
a/c 180		
D9.5		
Enter Oxley creek		
Enter marina + berth. Stop engine. Refuel.		

## Refuelling 8

Insert quantity and  
engine hours

## Fixes 9

Record full details in  
Navigator's Notebook.  
This one uses radar  
ranges.

## Double line entry 10

Note use of two lines for  
long entry

## Weather warning 11

Note advance warning of  
unexpected weather  
change, obtained from  
weather records

## Dipping light 12

Gives approximate fix  
(Position column)

## Distance run 13

Take from log, since an  
accurate distance is not  
needed

## Application of FLEXI-TIME system

This system is well suited to all vessels day  
sailing or coasting, when accurate weather  
records and DR plot are not needed. It is  
especially convenient for waypoint navigation.

Distance run today	54.3 nm
Engine hours today	13
Engine hours this season	45.4
Distance run this season	650.9 nm
Engine hours Total	118.9

# ABBREVIATIONS AND SYMBOLS

The sensible use of abbreviations saves time, saves a huge amount of space, and also improves clarity. The examples below should cover most eventualities, and can be seen in use on the specimen pages. If you develop your own system beware of being too cryptic,

so that you have to keep consulting the list. Most of the examples here become second nature after only a little practice. It also saves space to use the present tense in the Remarks column of the Log; for example '1750 Enter marina & berth'.

GENERAL	
$\mathcal{H}$ , Hr Bn, By, Lt WP, XTE Co, Sp, Kts a/c, var $\leftarrow$ , $\rightarrow$ $\leftrightarrow$ , $\leftarrow$ $\phi$ DIP L42.7 D13.4 Tack port 140 2 rolls mn Roll gen set no 2 NN DR TPL	in harbour (anchored, moored), harbour beacon, buoy, lighthouse waypoint, cross-track error course, speed, knots alter course, various left-hand edge of land, right-hand edge of land abeam to starboard, abeam to port, in transit light dipping over horizon (eg Bell Pt DIP 210) log reading = 42.7 nautical miles depth = 13.4 metres put about onto port tack; heading 140 °(C) tuck 2 reefs into mainsail roll up genoa change to No 2 jib navigator's notebook dead reckoning transferred position line
WEATHER	
C, S, M, R R, sh, sl, Sn s, m, h, c G m P F 3/8 H, M, L	calm, slight, moderate, rough sea states rain, showers, sleet, snow slight, moderate, heavy, continuous (rain etc) good visibility (over 5 nautical miles) moderate visibility (2 to 5 miles) poor visibility (half to 2 miles) fog (less than half a mile) fraction of cloud cover high, medium, low cloud
SOURCE OF FIX	
RN SN DF CB RR EP Vis	radio navigator (Decca, Loran) satellite navigator DF bearings compass bearings radar ranges Estimated Position approximate visual fix by eye

# Beaufort Wind Scale

Force	Knots	Waves(ft)	Likely Sea State in Open Water
0	0	0	Flat calm. Any swell is not caused by wind
1	1-3	0	Patches of ripple on surface
2	4-6	1	Ripples all over surface
3	7-10	2-3	Occasional white horses on wavecrests
4	11-16	4-5	Many white horses on wavecrests
5	17-21	6-8	Waves cresting, with spray blown from them
6	22-27	8-12	Streaks of spray and foaming crests
7	28-33	12-16	White foaming crests, whipped away in gusts
8	34-40	20-25	Rough and disturbed, with 'boiling' patches
9	41-47	25-30	Covered in white foam. Spray reduces visibility
10	48-55	30-40	Visibility badly affected by blown spray
11	56-63	45	Air full of spray, causing very poor visibility
12	64+	45+	Visibility almost zero in driving spray

# Compass Deviation

[illegible]

Date 

--

From

[illegible]

Narrative	



To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date 

--

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	



To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	



Date

From

[illegible]

\_\_\_\_\_





Date

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	

At

--

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	



Date

From

[illegible]

Narrative	



To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	



Date 

--

From [illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date 

--

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

\_\_\_\_\_



To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date \_\_\_\_\_

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date \_\_\_\_\_

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

\_\_\_\_\_

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date \_\_\_\_\_

From

[illegible]

Narrative	





Date

From

[illegible]

Narrative	



Date

From

[illegible]

Narrative	



Date 

--

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date 

--

From

[illegible]

Narrative	



To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

\_\_\_\_\_

To		At	
----	--	----	--

To		At	
----	--	----	--

\_\_\_\_\_

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

\_\_\_\_\_

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date \_\_\_\_\_

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	



To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

\_\_\_\_\_

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

\_\_\_\_\_

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date \_\_\_\_\_

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date \_\_\_\_\_

From

[illegible]

Narrative	





Date \_\_\_\_\_

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date \_\_\_\_\_

From

[illegible]

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date \_\_\_\_\_

From

[illegible]

\_\_\_\_\_



Date

From

[illegible]

Narrative	



To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

Date \_\_\_\_\_

From

[illegible]

Narrative	

To		At	
----	--	----	--

To		At	
----	--	----	--

[illegible]

---

Distance run today	
Engine hours today	
Engine hours this season	
Distance run this season	
Engine hours Total	

## Engine Log

[illegible]

## Regular Maintenance Schedules

[illegible]



# Radio Log

Callsign:

Account Code:

[illegible]

# Waypoint List

No	Position	Identity
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

No	Position	Identity
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

	<b>Dimensions</b>	
--	-------------------	--

Length Overall (Loa)	
Length on Deck (LOD)	
Length Waterline (LWL)	
Beam	
Draft	
Air Draft	
Gross Tonnage (GRT)	
Net Tonnage (NRT)	
Thames Tonnage	
Displacement	

	<b>Expiry Dates</b>	
--	---------------------	--

Item	Date

	<b>Ship's Equipment</b>	
--	-------------------------	--

Equipment	Description	Serial No

# Visitors Book/Crew List

[illegible]



# Season Summary

Distance Run

Days Under Way

Narrative

## Engine Hours

Start Season

During Season

Total to date